H & A OF NEW YORK ENGINEERING
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TECHNICAL MEMORANDUM

August 12, 2025
File No. 0208988

TO: Remedial Bureau B, Section D
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Floor 12
Albany, New York 12233
Corrective Action Section

Land and Redevelopment Programs Branch
Land, Chemicals & Redevelopment Division
U.S. Environmental Protection Agency Region 2
290 Broadway, 25th Floor
New York, New York 10007-1866

ATTENTION: Rafi Alam, Project Manager, NYSDEC
Sameh Abdellatif, Project Manager, USEPA

FROM: H & A of New York Engineering and Geology, LLP
Sarah A. Commisso, G.I.T., Project Manager
Thomas R. Giordano, Project Manager
Suzanne M. Bell, P.E., Senior Associate

SUBJECT: Berm Sampling Work Plan Addendum
Former Port Mobil Terminal (243016)

On behalf of NP Staten Island Industrial, LLC, H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York) has prepared this Berm Sampling Work Plan Addendum (Addendum) for additional sampling of berm material at the Former Port Mobil Terminal (also known as Kinder Morgan Staten Island [KM]) located at 4101 Arthur Kill Road in Staten Island, New York (the "Site," Figure 1). NP Staten Island Industrial, LLC is evaluating berm material for on-Site reuse to support future development and Site-wide remediation.

On January 15, 2025, the Berm Sampling Work Plan (dated December 27, 2024) prepared by Haley & Aldrich of New York was approved by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA). Under the approval of this work plan, ten berms were sampled between January 23, 2025, and April 4, 2025. This sampling event

and analytical results are documented in the Berm Sampling for On-Site Reuse Summary, dated May 15, 2025. Haley & Aldrich of New York plans to sample 25 additional berms, as described in this Addendum, in accordance with the approved Berm Sampling Work Plan and using the same means and methods described therein.

Introduction

The Site, which is a former Major Oil Storage Facility (MOSF), contained former aboveground storage tanks (ASTs) within the proposed area of redevelopment, with only tank bottoms remaining. The tops and sides of all ASTs on-Site were demolished in accordance with the Demolition Work Plan, dated May 4, 2021, by Industrial Development Advantage Port Mobil, LLC and Weston Solutions of New York, Inc. The tank bottoms were kept in place to mitigate exposure of residual contamination until remediation work full-scale remediation work in the tank farm area is underway. The former ASTs are surrounded by berms, which were designed to contain potential releases when the ASTs were in use and to mitigate stormwater runoff.

Haley & Aldrich of New York completed the sampling of ten berms between January 23, 2025, and April 4, 2025. As per the requirements in NYSDEC's Division of Environmental Remediation (DER)-10 Table 5.4(e) and correspondence from both NYSDEC and the USEPA on December 11, 2024, a reduction in sampling frequency could be approved by the agencies once data from at least two selected grids have been obtained. Berms 12 and 16 (around AST 12 and AST 16) were sampled between January 23, 2025, and February 17, 2025, at a frequency of one sample for every 1,000 cubic yards. No exceedances above the NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (NYSDEC, 2023) Guidance Values were detected in Berms 12 and 16. After the sampling of Berm 12 and Berm 16, Haley & Aldrich of New York submitted a request to reduce the sampling frequency of the remaining berm material from every 1,000 cubic yards to every 2,000 cubic yards. This request was submitted to the NYSDEC and the USEPA on March 14, 2025, and approved on March 28, 2025; this approval is included as an attachment in Attachment A.

Sampling of the remaining berms (in the original scope of the approved Berm Sampling Work Plan) around AST 7, AST 9, AST 10, AST 13, AST 14, AST 15, AST 17, and AST 18 (Berms 7, 9, 10, 13, 14, 15, 17, and 18, respectively) was conducted at the Site from April 1, 2025, through April 4, 2025. The berm material did not exceed CUSCOs or PFAS Guidance Values, with the exceptions of Berm 9 Grid 9D (0-5) and Berm 10 Grid 10D (6-12), where copper was detected above its CUSCO. A summary of the means, methods, and findings of the sampling of these ten berms is provided in the May 2025 Berm Sampling for On-Site Reuse Summary, included as Attachment B. In an approval letter from NYSDEC dated July 2, 2025, NYSDEC approved the reuse of the berm material with the exception of the material from Berm 9 Grid 9D (0-5) and Berm 10 Grid 10D (6-12) due to the concentrations of copper above the CUSCO.

To continue preparing for future redevelopment, Haley & Aldrich of New York will sample an additional 25 berms to evaluate for on-Site reuse, as shown in Figure 2.

Sampling Methodology

A survey report for the Site and a berm volume plan, which includes the approximate volumes of soil for each of the 25 berm areas, are included in Attachments C and D, respectively. The sampling frequency for the berm material included herein is one sample for every 2,000 cubic yards, as previously approved by the NYSDEC and USEPA on March 28, 2025. Consistent with the previous sampling events, the analyses of the berm material will be conducted in accordance with the sampling procedures described in the NYSDEC DER-10 Table 5.4(e) in order to meet the applicable NYSDEC Part 375 CUSCOs and the NYSDEC Sampling, Analysis, and Assessment of PFAS (NYSDEC, 2023) Guidance Values. The 25 berm areas have been divided into 102 grids, as shown in Figure 2. Samples will be composited from three locations per grid and collected using an excavator, such as a Komatsu 138US Excavator, Caterpillar Excavator 314, or equivalent; this method was previously approved by the NYSDEC and USEPA on January 28, 2025. The excavator bucket will be decontaminated between each sampling location. Two composite samples and seven discrete samples will be collected for every 2,000 cubic yards of material, for a total of 204 composite samples and 714 discrete samples. Berm sampling grids and depth intervals are shown in Table 1.

Composite samples will be analyzed for the following parameters:

- Target Compound List (TCL) semi-volatile organic compounds (SVOCs);
- Target Analyte List (TAL) Total Metals;
- Polychlorinated biphenyls (PCBs);
- Pesticides; and
- PFAS.

Discrete soil samples will be analyzed for TCL volatile organic compounds (VOCs).

Analytical results of the berm sampling, should they meet CUSCOs and PFAS Guidance Values and are acceptable for on-Site reuse, will be submitted with a reuse request to the NYSDEC and USEPA for review and approval.

Haley & Aldrich of New York personnel will be on the Site to document field observations and collect soil samples. The soil will be screened for visual, olfactory, and instrumental evidence of environmental impacts and will be visually classified for soil type, grain size, texture, and moisture content. Instrument screening for the presence of VOCs will be performed with a photoionization detector (PID). All field work will be observed by EA Engineering, P.C.

Community Air Monitoring Program

Real-time air monitoring will be conducted in three locations during ground intrusive activities and based on the location of work, Site conditions, and nearest receptors as described in the NYSDEC- and USEPA-approved Berm Sampling Work Plan, dated December 27, 2024, by Haley & Aldrich of New York.

Due to the size of the Site, the 25 berms were divided into three general work areas (Work Area 1, Work Area 2, and Work Area 3) so that air monitoring will be representative of active work. Three air monitoring stations will be used per Work Area, and their locations will be adjusted as needed based on active work and wind direction. No more than one Work Area will be active at any time. Air monitoring locations for each Work Area are shown in Figures 3, 4, and 5, respectively. The Action Level Limits and Actions are summarized in Table 2.

Reporting

Reporting will be conducted throughout the execution of the berm sampling for on-Site reuse as described in the Berm Sampling Work Plan. Daily field reports will be submitted electronically to the NYSDEC, USEPA, and New York State Department of Health on the business day following the field activities. These daily field reports will include a representative photolog, an updated Site figure, and a description of work activities. Upon completion of the second round of sampling described herein, an additional berm sampling report will be submitted to NYSDEC and USEPA with a request for reuse of materials meeting CUSCOs or PFAS Guidance Values, as appropriate.

A Supplemental Berm Sampling Summary Report will be prepared and submitted to NYSDEC and USEPA, outlining the work conducted with conclusions and a formal request for reuse. Data Usability Summary Reports (DUSRs) will be prepared by a qualified data validator, and the findings will be reported in the Supplemental Berm Sampling Summary Report.

Data Quality Assurance

To ensure data quality, instrument calibration will be completed as required by the manufacturer and recorded daily. Calibration checks and duplicate readings may be completed as needed to confirm instrument response and accuracy. All instruments will be operated in accordance with the manufacturer's specifications, copies of which will be kept on the Site.

The on-Site field personnel will review monitoring data throughout the day and evaluate them in comparison to the action levels. The NYSDEC Project Manager will review monitoring data periodically and/or when action levels are triggered.

Investigation-Derived Waste Management

Following sample collection, any residual soil will be placed back into the berm from which it was taken. If soil is identified as grossly contaminated, it will be separated and placed into a sealed and labeled New York State Department of Transportation-approved 55-gallon drum pending characterization and off-Site disposal. All decontamination will be conducted in accordance with the Berm Sampling Work Plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Sarah A. Commisso, G.I.T.
Project Manager

Thomas R. Giordano
Project Manager

Suzanne M. Bell, P.E.
Senior Associate

Attachments:

Table 1 – Berm Sample and Analysis Plan
Table 2 – Action Level Limit Summary
Figure 1 – Project Locus
Figure 2 – Berm Sampling Locations
Figure 3 – Berm Sampling Plan and CAMP Locations – Work Area 1
Figure 4 – Berm Sampling Plan and CAMP Locations – Work Area 2
Figure 5 – Berm Sampling Plan and CAMP Locations – Work Area 3
Attachment A – March 2025 Berm Sampling Work Plan Change in Frequency Approval
Attachment B – May 2025 Berm Sampling for On-Site Reuse Summary (with Request for Reduced Sampling Frequency)
Attachment C – Final Survey, Kinder Morgan Terminal, Bowman Consulting, dated June 14, 2021
Attachment D – Proposed Berm Volumes for Reuse

TABLES

TABLE 1
BERM SAMPLE AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

Berm Number	Grid Numbers	Sample ID	Sample Depth (ft)
Composite Samples			
1	Grid 1A	1A_0-7	0-7
		1A_7-14	7-14
	Grid 1B	1B_0-7	0-7
		1B_7-14	7-14
	Grid 1C	1C_0-7	0-7
		1C_7-14	7-14
	Grid 1D	1D_0-7	0-7
		1D_7-14	7-14
	Grid 1E	1E_0-7	0-7
		1E_7-14	7-14
	Grid 1F	1F_0-7	0-7
		1F_7-14	7-14
	Grid 1G	1G_0-7	0-7
		1G_7-14	7-14
	Grid 1H	1H_0-7	0-7
		1H_7-14	7-14
2	Grid 2A	2A_0-6	0-6
		2A_6-12	6-12
	Grid 2B	2B_0-6	0-5
		2B_6-12	5-10
3	Grid 3A	3A_0-7	0-7
		3A_7-14	7-14
	Grid 3B	3B_0-7	0-7
		3B_7-14	7-14
	Grid 3C	3C_0-7	0-7
		3C_7-14	7-14
	Grid 3D	3D_0-7	0-7
		3D_7-14	7-14
	Grid 3E	3E_0-7	0-7
		3E_7-14	7-14
	Grid 3F	3F_0-7	0-7
		3F_7-14	7-14
	Grid 3G	3G_0-7	0-7
		3G_7-14	7-14
4	Grid 4A	4A_0-7	0-7
		4A_7-14	7-14
	Grid 4B	4B_0-7	0-7
		4B_7-14	7-14
	Grid 4C	4C_0-7	0-7
		4C_7-14	7-14
	Grid 4D	4D_0-7	0-7
		4D_7-14	7-14
	Grid 4E	4E_0-7	0-7
		4E_7-14	7-14
	Grid 4F	4F_0-7	0-7
		4F_7-14	7-14
5	Grid 5A	5A_0-5	0-5
		5A_5-10	5-10
	Grid 5B	5B_0-5	0-5
		5B_5-10	5-10
	Grid 5C	5C_0-5	0-5
		5C_5-10	5-10
	Grid 5D	5D_0-5	0-5
		5D_5-10	5-10
	Grid 5E	5E_0-5	0-5
		5E_5-10	5-10
6	Grid 6A	6A_0-6	0-6
		6A_6-12	6-12
	Grid 6B	6B_0-6	0-6
		6B_6-12	6-12
	Grid 6C	6C_0-6	0-6
		6C_6-12	6-12
	Grid 6D	6D_0-6	0-6
		6D_6-12	6-12
	Grid 6E	6E_0-6	0-6
		6E_6-12	6-12
	Grid 6F	6F_0-6	0-6
		6F_6-12	6-12
8	Grid 8A	8A_0-5	0-5
		8A_5-10	5-10
	Grid 8B	8B_0-5	0-5
		8B_5-10	5-10

TABLE 1
BERM SAMPLE AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

Berm Number	Grid Numbers	Sample ID	Sample Depth (ft)
Composite Samples			
43	Grid 43A	43A_0-4	0-4
		43A_4-8	4-8
	Grid 43B	43B_0-4	0-4
		43B_4-8	4-8
44	Grid 44A	44A_0-4	0-4
		44A_4-8	4-8
	Grid 44B	44B_0-4	0-4
		44B_4-8	4-8
	Grid 44C	44C_0-4	0-4
		44C_4-8	4-8
	Grid 44D	44D_0-4	0-4
		44D_4-8	4-8
	Grid 44E	44E_0-4	0-4
		44E_4-8	4-8
	Grid 44F	44F_0-4	0-4
		44F_4-8	4-8
45	Grid 45A	45A_0-6	0-6
		45A_6-12	6-12
	Grid 45B	45B_0-6	0-6
		45B_6-12	6-12
	Grid 45C	45C_0-6	0-6
		45C_6-12	6-12
48	Grid 48A	48A_0-3	0-3
		48A_3-6	3-6
	Grid 48B	48B_0-3	0-3
		48B_3-6	3-6
	Grid 48C	48C_0-3	0-3
		48C_3-6	3-6
	Grid 48D	48D_0-3	0-3
		48D_3-6	3-6
49	Grid 49A	49A_0-5	0-5
		49A_5-10	5-10
	Grid 49B	49B_0-5	0-5
		49B_5-10	5-10
	Grid 49C	49C_0-5	0-5
		49C_5-10	5-10
	Grid 49D	49D_0-5	0-5
		49D_5-10	5-10
50	Grid 50A	50A_0-5	0-5
		50A_5-10	5-10
	Grid 50B	50B_0-4	0-4
		50B_4-8	4-8
	Grid 50C	50C_0-4	0-4
		50C_4-8	4-8
	Grid 50D	50D_0-5	0-5
		50D_5-10	5-10
51	Grid 51A	51A_0-4	0-4
		51A_4-8	4-8
	Grid 51B	51B_0-4	0-4
		51B_4-8	4-8
52	Grid 52A	52A_0-4	0-4
		52A_4-8	4-8
	Grid 52B	52B_0-4	0-4
		52B_4-8	4-8
	Grid 52C	52C_0-4	0-4
		52C_4-8	4-8
	Grid 52D	52D_0-4	0-4
		52D_4-8	4-8
	Grid 52E	52E_0-4	0-4
		52E_4-8	4-8
53	Grid 53A	53A_0-5	0-5
		53A_5-10	5-10
	Grid 53B	53B_0-5	0-5
		53B_5-10	5-10
	Grid 53C	53C_0-5	0-5
		53C_5-10	5-10
	Grid 53D	53D_0-5	0-5
		53D_5-10	5-10
54	Grid 54A	54A_0-4	0-4
		54A_4-8	4-8
	Grid 54B	54B_0-4	0-4
		54B_4-8	4-8
	Grid 54C	54C_0-4	0-4
		54C_4-8	4-8
	Grid 54D	54D_0-4	0-4
		54D_4-8	4-8

TABLE 1
BERM SAMPLE AND ANALYSIS PLAN
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

Berm Number	Grid Numbers	Sample ID	Sample Depth (ft)
Composite Samples			
55	Grid 55A	55A_0-3	0-3
		55A_3-6	3-6
	Grid 55B	55B_0-3	0-3
		55B_3-6	3-6
	Grid 55C	55C_0-3	0-3
		55C_3-6	3-6
56	Grid 56A	56A_0-3	0-3
		56A_3-6	3-6
	Grid 56B	56B_0-3	0-3
		56B_3-6	3-6
	Grid 56C	56C_0-3	0-3
		56C_3-6	3-6
	Grid 56D	56D_0-3	0-3
		56D_3-6	3-6
57	Grid 57A	57A_0-4	0-4
		57A_4-8	4-8
	Grid 57B	57B_0-4	0-4
		57B_4-8	4-8
58	Grid 58A	58A_0-5	0-5
		58A_5-10	5-10
	Grid 58B	58B_0-5	0-5
		58B_5-10	5-10
	Grid 58C	58C_0-5	0-5
		58C_5-10	5-10
	Grid 58D	58D_0-5	0-5
		58D_5-10	5-10
	Grid 58E	58E_0-5	0-5
		58E_5-10	5-10
	Grid 58F	58F_0-5	0-5
		58F_5-10	5-10
	Grid 58G	58G_0-5	0-5
		58G_5-10	5-10
	Grid 58H	58H_0-5	0-5
		58H_5-10	5-10
	Grid 58I	58I_0-7	0-7
		58I_7-14	7-14
	Grid 58J	58J_0-7	0-7
		58J_7-14	7-14
59	Grid 59A	59A_0-6	0-6
		59A_6-12	6-12
	Grid 59B	59B_0-6	0-6
		59B_6-12	6-12
	Grid 59C	59C_0-6	0-6
		59C_6-12	6-12
	Grid 59D	59D_0-6	0-6
		59D_6-12	6-12
	Grid 59E	59E_0-6	0-6
		59E_6-12	6-12
	Grid 59F	59F_0-6	0-6
		59F_6-12	6-12
60	Grid 60	60A_0-4	0-4
		60A_4-8	4-8
61	Grid 61	61A_0-3	0-3
		61A_3-6	3-6
62	Grid 62	62A_0-5	0-5
		62A_5-10	5-10

Notes:

1. One composite sample will be collected per every 2,000 cu yd Grid.
2. Composite samples will be analyzed for TCL SVOCs, TAL Metals, PCBs, Pesticides, and PFAS.
3. Seven discrete samples will be collected per every 2,000 cu yd Grid.
4. Discrete samples will be analyzed for TCL VOCs.

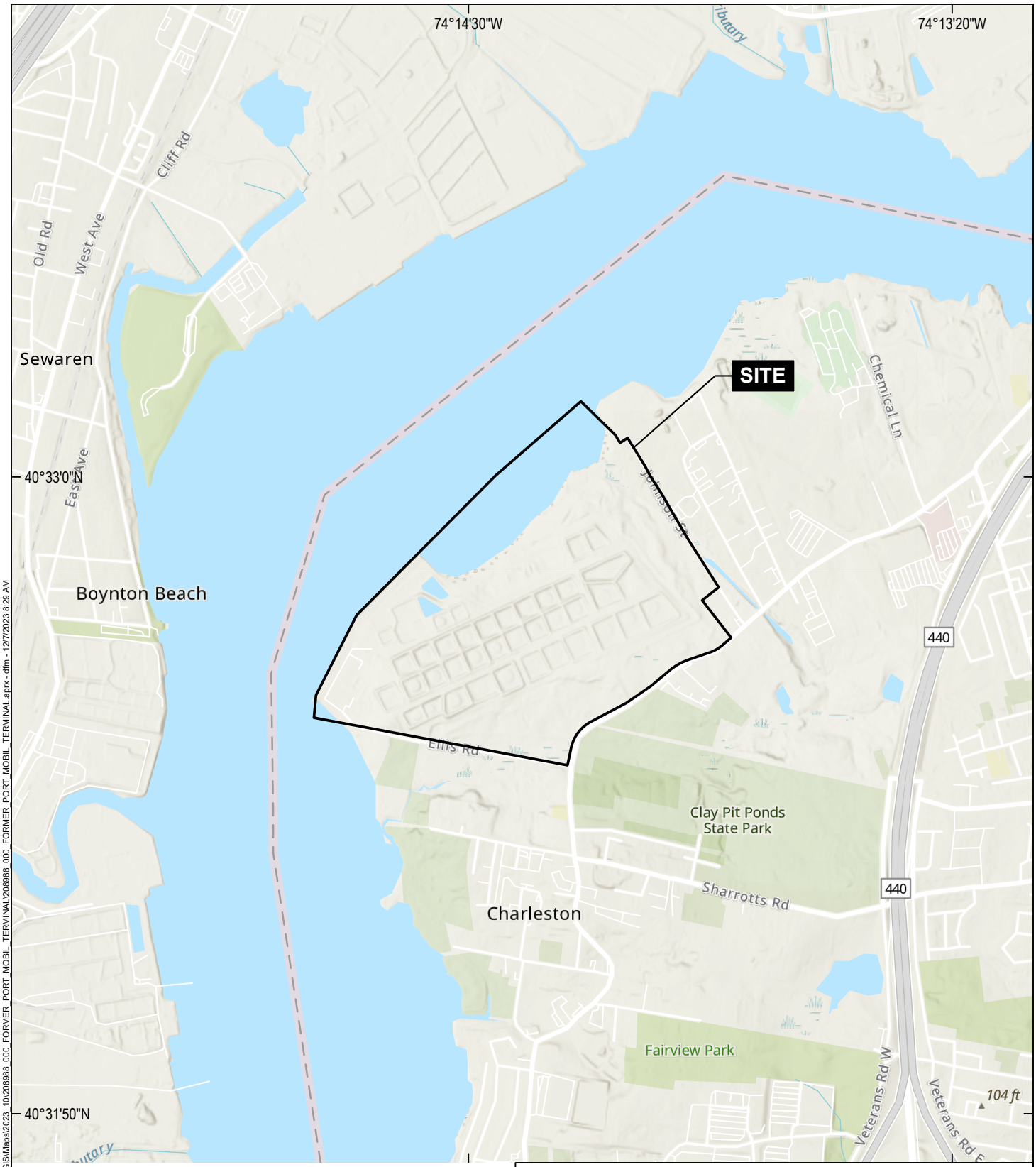
TABLE 2
ACTION LEVEL LIMIT SUMMARY
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

Parameter	Monitoring Instrument	Response Levels (above background)	Actions	Conditions for Continuing Work Activities
Volatile Organic Compounds	PID and Visual Observation	Greater than 5 ppm but less than 25 ppm	1. Temporary Halt Activity 2. Continue Monitoring	Levels readily decrease below 5 ppm above background levels
	PID and Visual Observation	Persistent Levels between 5 ppm and 25 ppm	1. Temporary Halt Activity 2. Vapor Abatement Action 3. Continue Monitoring	Levels exist below 5 ppm above background levels in areas 200 feet from exclusion zone or half the distance to the nearest receptor (but no less than 20 feet)
	PID and Visual Observation	Greater than 25 ppm	1. Shut Down Activity 2. Vapor Mitigation and Control Action	1. Identified contributing ground intrusive activities must be halted and vapor suppression techniques must be evaluated and modified until monitoring indicates VOC levels below the action level. 2. After these steps, if VOC levels (half the distance to the nearest potential receptor or structure) are below 5 ppm over background, resume work.
Particulates	Dust Meter and Visual Observation	Fugitive Dust Migration	1. Implement Dust Suppression Techniques	Dust suppression techniques are in place
	Dust Meter and Visual Observation	Greater than 100 µg/m^3 but less than 150 µg/m^3	1. Implement Dust Suppression Techniques	Levels must not exceed 150 µg/m^3 with dust suppression techniques in place
	Dust Meter and Visual Observation	Greater than 150 µg/m^3	1. Halt activity 2. Re-evaluate activities	Levels decrease below 150 µg/m^3 and fugitive dust migration is prevented

Notes:

µg/m^3 - micrograms per cubic meter
ppm = parts per million
PID - Photoionization Detector
VOC - volatile organic compound

FIGURES



N

MAP SOURCE: ESRI
SITE COORDINATES: 40°32'46"N, 74°14'21"W

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
JULY 2025

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\0208988\GIS Maps\2023_10\208988_000_FORMER_PORT_MOBIL_TERMINAL\208988_000_FORMER_PORT_MOBIL_TERMINAL_aprx - dfm - 12/7/2023 8:29 AM

LEGEND

- BERM PROPOSED SAMPLE LOCATION
- SAMPLING GRID BOUNDARY
- PROJECT SITE BOUNDARY
- 48 ABOVEGROUND STORAGE TANK / BERM NUMBER
- (6,500) APPROXIMATE VOLUME PROPOSED FOR REUSE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 20 JUNE 2024

0 250 500
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING LOCATIONS

AUGUST 2025

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\02089888\GIS\Maps\2025_07\208988_BERM_SAMPLING.aprx - USER: dfm - LAST SAVED: 7/9/2025 11:20 AM

LEGEND

- FORMER ABOVEGROUND TANK FOOTPRINT WITH ID
- IRM 1 BOUNDARY
- SURFACE IMPOUNDMENT
- FORMER BUILDING STRUCTURE
- PROJECT SITE BOUNDARY
- BERM SAMPLING WORK AREAS UNDER BERM SAMPLING WORK PLAN ADDENDUM
- WORK AREA 1
- WORK AREA 2
- WORK AREA 3
- CAMP STATION LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: RICHMOND COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 14 SEPTEMBER 2023

0 420 840
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING PLAN AND CAMP LOCATIONS - WORK AREA 1

FIGURE 3

July 2025

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_0208988_000_WASTE_CLASS\0208988_000_WASTE_CLASS.aprx - USER: dfm - LAST SAVED: 3/14/2024 11:50 AM

ARTHUR KILL

Dravo Building

Oil/Water Separator

Marine Warehouse and Office

24/24A

Office and Garage

STATION #1

STATION #2

STATION #3

LEGEND

- FORMER ABOVEGROUND TANK FOOTPRINT WITH ID
- IRM 1 BOUNDARY
- SURFACE IMPOUNDMENT
- FORMER BUILDING STRUCTURE
- PROJECT SITE BOUNDARY
- BERM SAMPLING WORK AREAS UNDER BERM SAMPLING WORK PLAN ADDENDUM
- WORK AREA 1
- WORK AREA 2
- WORK AREA 3
- CAMP STATION LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: RICHMOND COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 14 SEPTEMBER 2023

0 420 840

SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING PLAN AND CAMP LOCATIONS - WORK AREA 2

FIGURE 4

July 2025

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_0208988_000_WASTE_CLASS\0208988_000_WASTE_CLASS.aprx - USER: dfm - LAST SAVED: 3/14/2024 11:50 AM

ARTHUR KILL

Dravo Building

Oil/Water Separator

Marine Warehouse and Office

24/24A

Office and Garage

STATION #1

STATION #2

STATION #3

LEGEND

- FORMER ABOVEGROUND TANK FOOTPRINT WITH ID
- IRM 1 BOUNDARY
- SURFACE IMPOUNDMENT
- FORMER BUILDING STRUCTURE
- PROJECT SITE BOUNDARY
- BERM SAMPLING WORK AREAS UNDER BERM SAMPLING WORK PLAN ADDENDUM
- WORK AREA 1
- WORK AREA 2
- WORK AREA 3
- CAMP STATION LOCATION

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: RICHMOND COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 14 SEPTEMBER 2023

0 420 840

SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING PLAN AND CAMP LOCATIONS - WORK AREA 3

FIGURE 5

July 2025

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_0208988_000_WASTE_CLASS\0208988_000_WASTE_CLASS.aprx - USER: dfm - LAST SAVED: 3/14/2024 11:50 AM

ATTACHMENT A
March 2025 Berm Sampling Work Plan Change in Frequency Approval

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

March 28, 2025

Mr. Andy Mace
NP Staten Island Industrial, LLC
Vice President, Industrial Development
2652 Mayfair Lane
York, PA 17408

Re: Interim Remedial Measures (IRM) 1:
Berm Sampling for On-Site Reuse Summary
(Berms 12 and 16)
Site Name: Former Port Mobil Terminal
Site No.: 243016
NYSDEC Consent Order ID No.: 12-111-A-SBC
USEPA Consent Order ID No.: RCRA-02-2009-7306

Dear Mr. Mace,

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the United States Environmental Protection Agency (USEPA), has reviewed the Berm Sampling for On-Site Reuse Summary for Berms 12 and 16, dated March 14, 2025, submitted by Haley and Aldrich on behalf of North Point Staten Island Industrial, LLC. Based on the laboratory analytical results, the Department approves the request to reduce the sampling frequency of the remainder berm material from every 1,000 cubic yards to every 2,000 cubic yards.

Please provide an updated figure showing the berm sampling locations. Additionally, ensure that the final report or construction completion report includes details of the berm sampling work, such as sampling procedure, deviations from the work plan, visual observations of the material, soil boring photographs, boring logs, and PID screening results.

If there are any questions or concerns, please contact me at (518) 402-8606 or via email rafi.alam@dec.ny.gov.

Sincerely,

Rafi Alam
Project Manager
Remedial Bureau B, Section D

ec:
Andrew Sheedy, Kinder Morgan
Frank Messina, Exxon Mobil
Eric Ricci, North point
David Rickard, North point
Scott Underhill, Haley and Aldrich
James Bellew, Haley and Aldrich
Suzanne Bell, Haley and Aldrich
Thomas Giordano,Haley and Aldrich
Scott Deyette, NYSDEC
Heidi Dudek, NYSDEC
Lisa Gorton, NYSDEC
Deborah Gorman, NYSDEC
Steve Lawrence, NYSDOH
Scarlett McLoughlin, NYSDOH
Adolph Everett, EPA
Andy Park, EPA

ATTACHMENT B
May 2025 Berm Sampling for On-Site Reuse Summary (with Request for Reduced Sampling Frequency)

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

TECHNICAL MEMORANDUM

May 15, 2025
File No. 0208988

TO: Remedial Bureau B, Section D
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Floor 12
Albany, New York 12233
Corrective Action Section

Land and Redevelopment Programs Branch
Land, Chemicals & Redevelopment Division
U.S. Environmental Protection Agency Region 2
290 Broadway, 25th Floor
New York, New York 10007-1866

ATTENTION: Rafi Alam, Project Manager, NYSDEC
Sameh Abdellatif, Project Manager, USEPA

FROM: H & A of New York Engineering and Geology, LLP
Thomas R. Giordano, Project Manager
Suzanne M. Bell, P.E., Senior Associate
Sarah A. Commisso, G.I.T., Assistant Project Manager

SUBJECT: Berm Sampling for On-Site Reuse Summary
Interim Remedial Measures (IRM) 1
Former Port Mobil Terminal (243016)

On January 15, 2025, the Berm Sampling Work Plan, dated December 27, 2024, and prepared by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), was approved by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) for the sampling of berm material at the Former Port Mobil Terminal (also known as Kinder Morgan Staten Island [KM]) located at 4101 Arthur Kill Road in Staten Island, New York (the "Site"). A Project Locus is included as Figure 1, and a Site Map is included as Figure 2. This berm material is proposed for on-Site reuse to support the future development and Site-wide remediation.

SAMPLING METHODOLOGY

The Site, which is a former Major Oil Storage Facility (MOSF), contained former aboveground storage tanks (ASTs) within the proposed area of redevelopment, with only tank bottoms remaining, that are surrounded by berms, which were designed to contain potential releases when the ASTs were in use and to mitigate stormwater runoff. Ten of the Site berms were sampled to determine whether berm material can be reused to support the Site-wide remediation and during future redevelopment of the Site. A survey report for the Site, which included the berm areas with an approximate volume of soil per berm area, was used to develop grid areas for sampling based on the NYSDEC "Technical Guidance for Site Investigation and Remediation," issued on May 3, 2010 (Division of Environmental Remediation [DER]-10) sampling frequency.

The ten berm areas were originally divided into 80 grids with three soil sample locations per grid. A total of approximately 160 composite samples and 560 discrete samples were anticipated to be collected to characterize soils from the ten berm areas, which ranged in elevation (El.) from approximately El. 24 feet (ft) to El. 48 ft at a frequency of one sample for every 1,000 cubic yards.

According to the requirements in DER-10 Table 5.4(e) and correspondence from both NYSDEC and the USEPA on December 11, 2024, a reduction in sampling frequency could be approved by the agencies once data from at least two selected grids have been obtained. Following the approval of the December 2024 Berm Sampling Work Plan on January 15, 2025, an initial sampling effort was designed to collect samples from around AST 12 and AST 16 (Berm 12 and Berm 16) at a frequency of one sample set for every 1,000 cubic yards of soil.

BERMS 12 AND 16 REUSE SAMPLING

Sampling of Berm 12 and Berm 16 was completed between January 23, 2025, and February 17, 2025. Two composite samples and seven discrete samples were collected for every 1,000 cubic yards of grid material (20 grids), totaling 40 composite samples and 140 discrete samples.

From January 23, 2025, to January 24, 2025, Haley & Aldrich of New York oversaw soil boring installation by Lakewood Environmental Services Corp (Lakewood). The soil borings were performed utilizing a Geoprobe® 6610DT rig equipped with 2-inch diameter steel rods, a 5-ft macro-core sampler, and disposable acetate liners. However, based on the slope of the berms and limited progress with the track-mounted Geoprobe® drill rig, Haley & Aldrich of New York formally requested the addition of an excavator bucket as an appropriate means for sampling the remainder of the berms. On January 28, 2025, NYSDEC approved the alternative method for sampling collection for the remainder of these berms. Samples collected at Berm 12 and Berm 16 from January 28, 2025, through February 17, 2025, were collected with a Caterpillar Excavator 314, operated by ENTACT, LLC (ENTACT).

Based on previous discussions with NYSDEC via email on October 31, 2024, the sampling frequency was eligible to be reduced from every 1,000 cubic yards to every 2,000 cubic yards. After the sampling of Berm 12 and Berm 16, a memorandum describing the means, methods, and sampling results from Berm

12 and Berm 16, and the request to reduce the sampling frequency of the remaining berm material from every 1,000 cubic yards to every 2,000 cubic yards, was submitted to the NYSDEC and the USEPA on March 14, 2025. On March 28, 2025, the NYSDEC and USEPA approved the request to reduce the sampling frequency of the remaining berm material. The "Berm Sampling for On-Site Reuse Summary of Berms 12 and 16," dated March 14, 2025, is provided as Attachment 1, which includes a summary of the results for Berms 12 and 16. No exceedances above applicable thresholds were detected in Berms 12 and 16.

BERMS 7, 9, 10, 13, 14, 15, 17, AND 18 REUSE SAMPLING

Sampling of the berms around AST 7, AST 9, AST 10, AST 13, AST 14, AST 15, AST 17, and AST 18 (Berms 7, 9, 10, 13, 14, 15, 17, & 18, respectively) was conducted at the Site from April 1, 2025, through April 4, 2025. These samples were collected with a Komatsu 138US Excavator, operated by ENTACT. Two composite samples and seven discrete samples were collected for every 2,000 cubic yards of material, for a total of 60 composite samples and 210 discrete samples. Grid and sample locations are shown in Figure 3. Composite samples were analyzed for the following parameters:

- Target Compound List (TCL) semi-volatile organic compounds (SVOCs);
- Target Analyte List (TAL) Total Metals;
- Polychlorinated biphenyls (PCBs);
- Pesticides; and,
- Per- and polyfluoroalkyl substances (PFAS).

Discrete soil samples were analyzed for TCL volatile organic compounds (VOCs).

Soil recovered from sampling locations was field screened for the presence of VOCs with a calibrated photoionization detector (PID) and observed for visual and olfactory signs of contamination. No PID readings were detected above background concentrations in any of the sampling locations. All soil boring/test pit logs are provided in Attachment 2.

Samples were collected in laboratory-prepared sample bottles (pre-preserved when appropriate), placed in ice-packed coolers maintained at approximately 4 degrees Celsius under standard chain of custody procedures, and transported to Eurofins Scientific (Eurofins) of Edison, New Jersey (Certification No. 12028).

RESULTS SUMMARY

In accordance with the Berm Sampling Work Plan, results were compared to the applicable NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and the April 2023 NYSDEC "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS)" guidance values.

Copper was detected in two composite samples above the CUSCO of 270 milligrams per kilogram (mg/kg) at two berm locations:

- Berm 9 at a concentration of 980 mg/kg in composite sample 9D_0-5.
- Berm 10 at a concentration of 288 mg/kg in composite sample 10D_6-12.

CUSCO exceedances are summarized in Figure 4, which shows the grids within Berm 9 and Berm 10. There were no other exceedances of the CUSCOs in samples collected for reuse and no exceedances of the PFAS guidance values.

Laboratory analytical reports for Berms 7, 9, 10, 13, 14, 15, 17, and 18 are included as Attachment 3, and summary tables of the results for each berm are included as Tables 1 through 8.

CONCLUSION

The analytical results of Berms 7, 9, 10, 13, 14, 15, 17, and 18, in addition to the previously reported Berms 12 and 16, indicate that the berm material does not exceed CUSCOs or PFAS guidance values, with the exceptions of Berm 9 Grid 9D (0-5) and Berm 10 Grid 10D (6-12), where copper was detected above the CUSCO. Copper is a naturally occurring metal and not a Site-specific contaminant of concern. As such, Haley & Aldrich of New York is requesting that all sampled berm material be approved for reuse to support the Site-wide remediation and future redevelopment of the Site.

A work plan addendum will be prepared to propose additional sampling of the remaining berms across the Site. Based on the NYSDEC and USEPA approval dated March 14, 2025, and the results of these sampling events, a frequency of one sample set for every 2,000 cubic yards will be maintained.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Sarah A. Commisso, G.I.T.	Thomas R. Giordano	Suzanne M. Bell, P.E.
Assistant Project Manager	Project Manager	Senior Associate

Attachments:

Table 1 – Summary of Soil Quality Data – Berm 7
Table 2 – Summary of Soil Quality Data – Berm 9
Table 3 – Summary of Soil Quality Data – Berm 10
Table 4 – Summary of Soil Quality Data – Berm 13
Table 5 – Summary of Soil Quality Data – Berm 14
Table 6 – Summary of Soil Quality Data – Berm 15
Table 7 – Summary of Soil Quality Data – Berm 17
Table 8 – Summary of Soil Quality Data – Berm 18

Figure 1 – Project Locus
Figure 2 – Site Plan
Figure 3 – Berm Sampling Locations
Figure 4 – Berm Sampling Results Exceedance Map

Attachment 1 - Berm Sampling Summary Memo for Berms 12 and 16
Attachment 2 - Soil Boring and Test Pit Logs
Attachment 3 - Analytical Laboratory Reports

TABLES

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																				
Location Name	NY Part 375	7A	7A	7A1	7A1	7A1	7A2	7A2	7A3	7A3	7B	7B	7B1	7B1	7B2	7B2	7B2	7B3	7B3	7C	7C
Sample Name	Commercial	7A_0-5	7A_5-10	7A1_2-3	7A1_3-4	7A1_6-7	7A2_1-2	7A2_7-8	7A3_2-3	7A3_6-7	7B_0-5	7B_5-10	7B1_0-1	7B1_4-5	7B2_0-1	7B2_5-6	7B2_8-9	7B3_3-4	7B3_7-8	7C_0-2	7C_2-4
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323252-1	460-323252-2	460-323250-1	460-323250-2	460-323250-3	460-323250-4	460-323250-5	460-323250-6	460-323250-7	460-323252-3	460-323252-4	460-323250-8	460-323250-9	460-323250-10	460-323250-11	460-323250-12	460-323250-13	460-323250-14	460-323252-5	460-323252-6
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	4 - 5 (ft)	0 - 1 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 2 (ft)	2 - 4 (ft)
Volatile Organic Compounds (mg/kg)																					
1,1,1-Trichloroethane	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,1,2-Trichloroethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,1-Dichloroethane	240	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,1-Dichloroethene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2,4-Trimethylbenzene	190	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2-Dichlorobenzene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2-Dichloroethane	30	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,2-Dichloropropane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,3,5-Trimethylbenzene	190	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,3-Dichlorobenzene	280	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
1,4-Dichlorobenzene	130	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0046)	ND (0.0041)	ND (0.0044) *	ND (0.0044) *	ND (0.0042)	ND (0.0047)	ND (0.0046)	-	-	ND (0.004)	ND (0.0041) *	ND (0.0061) *	ND (0.0042)	ND (0.0046)	ND (0.0048) *	ND (0.004) *	-	-
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0046)	ND (0.0041)	ND (0.0044)	ND (0.0044)	ND (0.0042)	ND (0.0047)	ND (0.0046)	-	-	ND (0.004)	ND (0.0041)	ND (0.0061)	ND (0.0042)	ND (0.0046)	ND (0.0048)	ND (0.004)	-	-
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0046)	ND (0.0041)	ND (0.0044)	ND (0.0044)	ND (0.0042)	ND (0.0047)	ND (0.0046)	-	-	ND (0.004)	ND (0.0041)	ND (0.0061)	ND (0.0042)	ND (0.0046)	ND (0.0048)	ND (0.004)	-	-
Acetone	500	-	-	ND (0.0055)	ND (0.0049)	ND (0.0053)	ND (0.0053)	ND (0.0051)	ND (0.0056)	ND (0.0055)	-	-	0.0091	ND (0.005)	0.035	ND (0.0051)	ND (0.0056)	ND (0.0058)	ND (0.0048)	-	-
Benzene	44	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Bromodichloromethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Bromoform	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0018)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.0019)	ND (0.0019)	ND (0.0016)	-	-
Carbon disulfide	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Carbon tetrachloride	22	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Chlorobenzene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Chlorobromomethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Chloroethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Chloroform (Trichloromethane)	350	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
cis-1,2-Dichloroethene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
cis-1,3-Dichloropropene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Cyclohexane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Dibromochloromethane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Ethylbenzene	390	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
m,p-Xylenes	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Methyl acetate	NA	-	-	ND (0.0046)	ND (0.0041)	ND (0.0044)	ND (0.0044)	ND (0.0042)	ND (0.0047)	ND (0.0046)	-	-	ND (0.004)	ND (0.0041)	0.0057 J	ND (0.0042)	ND (0.0046)	ND (0.0048)	ND (0.004)	-	-
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Methylcyclohexane	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0018)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.0019)	ND (0.0019)	ND (0.0016)	-	-
n-Butylbenzene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
n-Propylbenzene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
o-Xylene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Styrene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
tert-Butylbenzene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Tetrachloroethene	150	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Toluene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
trans-1,2-Dichloroethene	500	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
trans-1,3-Dichloropropene	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Trichloroethene	200	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088) *	ND (0.00088) *	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083) *	ND (0.0012) *	ND (0.00085)	ND (0.00093)	ND (0.00096) *	ND (0.0008) *	-	-
Vinyl chloride	13	-	-	ND (0.00092)	ND (0.00081)	ND (0.00088)	ND (0.00088)	ND (0.00085)	ND (0.00093)	ND (0.00092)	-	-	ND (0.0008)	ND (0.00083)	ND (0.0012)	ND (0.00085)	ND (0.00093)	ND (0.00096)	ND (0.0008)	-	-
Xylene (Total)	500	-	-	ND (0.0018)	ND (0.0016)	ND (0.0018)	ND (0.0018)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0025)	ND (0.0017)	ND (0.0019)	ND (0.0019)	ND (0.0016)	-	-

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	7A	7A	7A1	7A1	7A1	7A2	7A2	7A3	7A3	7B	7B	7B1	7B1	7B2	7B2	7B2	7B3	7B3	7C	7C
Sample Name	NY Part 375 Commercial	7A_0-5	7A_5-10	7A1_2-3	7A1_3-4	7A1_6-7	7A2_1-2	7A2_7-8	7A3_2-3	7A3_6-7	7B_0-5	7B_5-10	7B1_0-1	7B1_4-5	7B2_0-1	7B2_5-6	7B2_8-9	7B3_3-4	7B3_7-8	7C_0-2	7C_2-4
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323252-1	460-323252-2	460-323250-1	460-323250-2	460-323250-3	460-323250-4	460-323250-5	460-323250-6	460-323250-7	460-323252-3	460-323252-4	460-323250-8	460-323250-9	460-323250-10	460-323250-11	460-323250-12	460-323250-13	460-323250-14	460-323252-5	460-323252-6
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	4 - 5 (ft)	0 - 1 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 2 (ft)	2 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)																					
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
1,4-Dioxane	130	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2,4-Dinitrophenol	NA	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)
2,4-Dinitrotoluene	NA	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.079)	ND (0.077)
2,6-Dinitrotoluene	NA	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.079)	ND (0.077)
2-Chloronaphthalene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2-Chlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2-Methylnaphthalene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
2-Nitrophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
3&4-Methylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)
3-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4,6-Dinitro-2-methylphenol	NA	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Chloroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Methylphenol	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
4-Nitrophenol	NA	ND (0.78)	ND (0.79)	-	-	-	-	-	-	-	ND (0.78)	ND (0.79)	-	-	-	-	-	-	-	ND (0.79)	ND (0.77)
Acenaphthene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Acenaphthylene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Acetophenone	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Anthracene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Atrazine	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)
Benzaldehyde	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Benzo(a)anthracene	5.6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Benzo(a)pyrene	1	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Benzo(b)fluoranthene	5.6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Benzo(g,h,i)perylene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Benzo(k)fluoranthene	56	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Biphenyl	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Caprolactam	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Carbazole	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Chrysene	56	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Dibenzofuran	350	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Diethyl phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Dimethyl phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Di-n-butylphthalate (DBP)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Fluoranthene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Fluorene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Hexachlorobenzene	6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Hexachlorobutadiene	NA	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.078)	ND (0.079)	-	-	-	-	-	-	-	ND (0.079)	ND (0.077)
Hexachlorocyclopentadiene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Hexachloroethane	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
Isophorone	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)
Naphthalene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Nitrobenzene	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Pentachlorophenol	6.7	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)
Phenanthrene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Phenol	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)
Pyrene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																				
Location Name	NY Part 375	7A	7A	7A1	7A1	7A1	7A2	7A2	7A3	7A3	7A3	7B	7B	7B1	7B1	7B2	7B2	7B2	7B3	7B3	7C	7C
Sample Name	Commercial	7A_0-5	7A_5-10	7A1_2-3	7A1_3-4	7A1_6-7	7A2_1-2	7A2_7-8	7A3_2-3	7A3_6-7	7A3_6-7	7B_0-5	7B_5-10	7B1_0-1	7B1_4-5	7B2_0-1	7B2_5-6	7B2_8-9	7B3_3-4	7B3_7-8	7C_0-2	7C_2-4
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323252-1	460-323252-2	460-323250-1	460-323250-2	460-323250-3	460-323250-4	460-323250-5	460-323250-6	460-323250-7	460-323250-7	460-323252-3	460-323252-4	460-323250-8	460-323250-9	460-323250-10	460-323250-11	460-323250-12	460-323250-13	460-323250-14	460-323252-5	460-323252-6
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	4 - 5 (ft)	0 - 1 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 2 (ft)	2 - 4 (ft)
Inorganic Compounds (mg/kg)																						
Aluminum	NA	7920	8810	-	-	-	-	-	-	-	-	7340	5200	-	-	-	-	-	-	-	8570	8900
Antimony	NA	0.2 J	0.27 J	-	-	-	-	-	-	-	-	0.88 J	0.75 J	-	-	-	-	-	-	-	1.1	0.78 J
Arsenic	16	5.1	4.8	-	-	-	-	-	-	-	-	6.6	6.4	-	-	-	-	-	-	-	6.9	5.9
Barium	400	73.7	83.3	-	-	-	-	-	-	-	-	95.6	36.6	-	-	-	-	-	-	-	51.3	63.2
Beryllium	590	0.59	0.67	-	-	-	-	-	-	-	-	1.9	0.64	-	-	-	-	-	-	-	0.79	0.74
Cadmium	9.3	ND (1)	ND (1.1)	-	-	-	-	-	-	-	-	0.23 J	0.16 J	-	-	-	-	-	-	-	0.21 J	0.27 J
Calcium	NA	2090	1910	-	-	-	-	-	-	-	-	2350	969	-	-	-	-	-	-	-	1190	1820
Chromium	NA	20.7	20.6	-	-	-	-	-	-	-	-	70.7	13.5	-	-	-	-	-	-	-	33.7	26.3
Cobalt	NA	8.3	7.9	-	-	-	-	-	-	-	-	32.3	5.9	-	-	-	-	-	-	-	10.3	9.7
Copper	270	26.6	26.4	-	-	-	-	-	-	-	-	260	49.3	-	-	-	-	-	-	-	64.9	64.1
Iron	NA	19200	20900	-	-	-	-	-	-	-	-	26800	17500	-	-	-	-	-	-	-	21300	21000
Lead	1000	37.2	30.3	-	-	-	-	-	-	-	-	446	101	-	-	-	-	-	-	-	115	115
Magnesium	NA	3360	3570	-	-	-	-	-	-	-	-	2330	1520	-	-	-	-	-	-	-	2410	2970
Manganese	10000	380	398	-	-	-	-	-	-	-	-	259	181	-	-	-	-	-	-	-	238	239
Mercury	2.8	0.014 J	ND (0.017)	-	-	-	-	-	-	-	-	0.02	0.027	-	-	-	-	-	-	-	0.013 J	0.016 J
Nickel	310	16.7	18	-	-	-	-	-	-	-	-	158	21.8	-	-	-	-	-	-	-	39.3	38.6
Potassium	NA	1530	1620	-	-	-	-	-	-	-	-	1090	944	-	-	-	-	-	-	-	1140	1350
Selenium	1500	ND (1.3)	ND (1.3)	-	-	-	-	-	-	-	-	1.5	0.22 J	-	-	-	-	-	-	-	0.68 J	0.39 J
Silver	1500	ND (0.41)	ND (0.43)	-	-	-	-	-	-	-	-	0.3 J	0.16 J	-	-	-	-	-	-	-	0.23 J	0.2 J
Sodium	NA	99.8 J	77.6 J	-	-	-	-	-	-	-	-	168	ND (103)	-	-	-	-	-	-	-	70.7 J	77.3 J
Thallium	NA	0.13 J	0.15 J	-	-	-	-	-	-	-	-	0.083 J	0.065 J	-	-	-	-	-	-	-	0.1 J	0.1 J
Vanadium	NA	24	26.4	-	-	-	-	-	-	-	-	25.1	20	-	-	-	-	-	-	-	33.5	29
Zinc	10000	55.5	53.7	-	-	-	-	-	-	-	-	768	162	-	-	-	-	-	-	-	150	154
PCBs (mg/kg)																						
Aroclor-1016 (PCB-1016)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1221 (PCB-1221)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1232 (PCB-1232)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1242 (PCB-1242)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1248 (PCB-1248)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1254 (PCB-1254)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1260 (PCB-1260)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1262 (PCB-1262)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Aroclor-1268 (PCB-1268)	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Polychlorinated biphenyls (PCBs)	1	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
Pesticides (mg/kg)																						
4,4'-DDD	92	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
4,4'-DDE	62	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
4,4'-DDT	47	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Aldrin	0.68	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)
alpha-Chlordane (cis)	24	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)
Chlordane	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)
Endosulfan I	200	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Endosulfan II	200	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Endosulfan sulfate	200	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Endrin	89	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Endrin aldehyde	NA	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Endrin ketone	NA	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)
Heptachlor	15	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Heptachlor epoxide	NA	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Methoxychlor	NA	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0074)
Toxaphene	NA	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-	ND (0.076)	ND (0.074)

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																				
Location Name	NY Part 375	7A	7A	7A1	7A1	7A1	7A2	7A2	7A3	7A3	7B	7B	7B1	7B1	7B2	7B2	7B2	7B3	7B3	7C	7C
Sample Name	Commercial	7A_0-5	7A_5-10	7A1_2-3	7A1_3-4	7A1_6-7	7A2_1-2	7A2_7-8	7A3_2-3	7A3_6-7	7B_0-5	7B_5-10	7B1_0-1	7B1_4-5	7B2_0-1	7B2_5-6	7B2_8-9	7B3_3-4	7B3_7-8	7C_0-2	7C_2-4
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323252-1	460-323252-2	460-323250-1	460-323250-2	460-323250-3	460-323250-4	460-323250-5	460-323250-6	460-323250-7	460-323252-3	460-323252-4	460-323250-8	460-323250-9	460-323250-10	460-323250-11	460-323250-12	460-323250-13	460-323250-14	460-323252-5	460-323252-6
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	4 - 5 (ft)	0 - 1 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 2 (ft)	2 - 4 (ft)
PFAS (mg/kg)																					
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00351)	ND (0.00353)	-	-	-	-	-	-	-	ND (0.0035)	ND (0.00352)	-	-	-	-	-	-	-	ND (0.00351)	ND (0.00348)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00351)	ND (0.00353)	-	-	-	-	-	-	-	ND (0.0035)	ND (0.00352)	-	-	-	-	-	-	-	ND (0.00351)	ND (0.00348)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.0007)	ND (0.00071)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.0007)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.0007)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	0.00027 J	0.00151
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	0.00071	0.00042 J	-	-	-	-	-	-	-	0.00148	0.00287
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00141)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00139)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00141)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00139)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorodecanoic acid (PFDA)	NA	0.000054 J	0.000049 J	-	-	-	-	-	-	-	0.00032	0.00013 J	-	-	-	-	-	-	-	0.00066	0.00059
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.00042	0.00037	-	-	-	-	-	-	-	0.00076	0.00065
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000037 J	0.000048 J	-	-	-	-	-	-	-	ND (0.00014)	0.0001 J
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.00004 J	0.000036 J	-	-	-	-	-	-	-	ND (0.00014)	0.000077 J
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorononanoic acid (PFNA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.00019	0.00057	-	-	-	-	-	-	-	0.00048	0.00068
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000043 J	ND (0.00014)	-	-	-	-	-	-	-	0.000036 J	0.000045 J	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluorooctanoic acid (PFOA)	0.5	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000048 J	0.00015	-	-	-	-	-	-	-	0.000085 J	0.0002
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000094 J	0.00009 J	-	-	-	-	-	-	-	0.00023	0.00019
Perfluorotridecanoic acid (PFTrDA)	NA	0.000051 J	0.000073 J	-	-	-	-	-	-	-	0.00247	0.00171	-	-	-	-	-	-	-	0.00371	0.00316
Perfluoroundecanoic acid (PFUnDA)	NA	0.00024	0.000077 J	-	-	-	-	-	-	-	0.00329	0.00078	-	-	-	-	-	-	-	0.00299	0.00191

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																
Location Name	NY Part 375	7C1	7C1	7C2	7C2	7C3	7C3	7C3	7D	7D	7D1	7D1	7D2	7D2	7D2	7D3	7D3
Sample Name	Commercial	7C1_0-1	7C1_0-2	7C2_0-1	7C2_1-2	7C3_0-1	7C3_1-2	7C3_3-4	7D_0-5	7D_5-10	7D1_2-3	7D1_5-6	7D2_1-2	7D2_7-8	7D2_9-10	7D3_4-5	7D3_7-8
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323250-15	460-323250-16	460-323250-17	460-323250-18	460-323250-19	460-323250-20	460-323250-21	460-323252-7	460-323252-8	460-323250-22	460-323250-23	460-323250-24	460-323251-1	460-323251-2	460-323251-3	460-323251-4
Sample Depth (bgs)	Objectives	0 - 1 (ft)	0 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	3 - 4 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	4 - 5 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)																	
1,1,1-Trichloroethane	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,1,2,2-Tetrachloroethane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,1,2-Trichloroethane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,1-Dichloroethane	240	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,1-Dichloroethene	500	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2,3-Trichlorobenzene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2,4-Trichlorobenzene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2,4-Trimethylbenzene	190	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2-Dibromo-3-chloropropane (DBCP)	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2-Dibromoethane (Ethylene Dibromide)	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2-Dichlorobenzene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2-Dichloroethane	30	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,2-Dichloropropane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,3,5-Trimethylbenzene	190	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,3-Dichlorobenzene	280	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
1,4-Dichlorobenzene	130	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
2-Butanone (Methyl Ethyl Ketone)	500	ND (0.0041) *	ND (0.0052) *	ND (0.0049) *	ND (0.0044) *	ND (0.0054) *	ND (0.0049) *	ND (0.0052) *	-	-	ND (0.004) *	ND (0.0042) *	ND (0.0055) *	ND (0.0048)	ND (0.0052)	ND (0.0055)	ND (0.0041)
2-Hexanone (Methyl Butyl Ketone)	NA	ND (0.0041)	ND (0.0052)	ND (0.0049)	ND (0.0044)	ND (0.0054)	ND (0.0049)	ND (0.0052)	-	-	ND (0.004)	ND (0.0042)	ND (0.0055)	ND (0.0048)	ND (0.0052)	ND (0.0055)	ND (0.0041)
2-Phenylbutane (sec-Butylbenzene)	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	ND (0.0041)	ND (0.0052)	ND (0.0049)	ND (0.0044)	ND (0.0054)	ND (0.0049)	ND (0.0052)	-	-	ND (0.004)	ND (0.0042)	ND (0.0055)	ND (0.0048)	ND (0.0052)	ND (0.0055)	ND (0.0041)
Acetone	500	ND (0.0049)	ND (0.0062)	ND (0.0059)	ND (0.0053)	ND (0.0064)	ND (0.0059)	ND (0.0063)	-	-	ND (0.0048)	ND (0.0051)	ND (0.0066)	ND (0.0057)	ND (0.0062)	ND (0.0066)	ND (0.005)
Benzene	44	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Bromodichloromethane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Bromoform	NA	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Bromomethane (Methyl Bromide)	NA	ND (0.0016)	ND (0.0021)	ND (0.002)	ND (0.0018)	ND (0.0021)	ND (0.002)	ND (0.0021)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0022)	ND (0.0019)	ND (0.0021)	ND (0.0022)	ND (0.0017)
Carbon disulfide	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Carbon tetrachloride	22	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Chlorobenzene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Chlorobromomethane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Chloroethane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Chloroform (Trichloromethane)	350	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Chloromethane (Methyl Chloride)	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
cis-1,2-Dichloroethene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
cis-1,3-Dichloropropene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Cyclohexane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Dibromochloromethane	NA	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Dichlorodifluoromethane (CFC-12)	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Ethylbenzene	390	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Isopropylbenzene (Cumene)	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
m,p-Xylenes	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Methyl acetate	NA	ND (0.0041)	ND (0.0052)	ND (0.0049)	ND (0.0044)	ND (0.0054)	ND (0.0049)	ND (0.0052)	-	-	ND (0.004)	ND (0.0042)	ND (0.0055)	ND (0.0048)	ND (0.0052)	ND (0.0055)	ND (0.0041)
Methyl Tert Butyl Ether (MTBE)	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Methylcyclohexane	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Methylene chloride (Dichloromethane)	500	ND (0.0016)	ND (0.0021)	ND (0.002)	ND (0.0018)	ND (0.0021)	ND (0.002)	ND (0.0021)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0022)	ND (0.0019)	ND (0.0021)	ND (0.0022)	ND (0.0017)
n-Butylbenzene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
n-Propylbenzene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
o-Xylene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Styrene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
tert-Butylbenzene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Tetrachloroethene	150	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Toluene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
trans-1,2-Dichloroethene	500	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
trans-1,3-Dichloropropene	NA	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Trichloroethene	200	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Trichlorofluoromethane (CFC-11)	NA	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Trifluorotrichloroethane (Freon 113)	NA	ND (0.00081) *	ND (0.001) *	ND (0.00099) *	ND (0.00088) *	ND (0.0011) *	ND (0.00099) *	ND (0.001) *	-	-	ND (0.0008) *	ND (0.00085) *	ND (0.0011) *	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Vinyl chloride	13	ND (0.00081)	ND (0.001)	ND (0.00099)	ND (0.00088)	ND (0.0011)	ND (0.00099)	ND (0.001)	-	-	ND (0.0008)	ND (0.00085)	ND (0.0011)	ND (0.00096)	ND (0.001)	ND (0.0011)	ND (0.00083)
Xylene (Total)	500	ND (0.0016)	ND (0.0021)	ND (0.002)	ND (0.0018)	ND (0.0021)	ND (0.002)	ND (0.0021)	-	-	ND (0.0016)	ND (0.0017)	ND (0.0022)	ND (0.0019)	ND (0.0021)	ND (0.0022)	ND (0.0017)

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																
Location Name	NY Part 375	7C1	7C1	7C2	7C2	7C3	7C3	7C3	7D	7D	7D1	7D1	7D2	7D2	7D2	7D3	7D3
Sample Name	Commercial	7C1_0-1	7C1_0-2	7C2_0-1	7C2_1-2	7C3_0-1	7C3_1-2	7C3_3-4	7D_0-5	7D_5-10	7D1_2-3	7D1_5-6	7D2_1-2	7D2_7-8	7D2_9-10	7D3_4-5	7D3_7-8
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323250-15	460-323250-16	460-323250-17	460-323250-18	460-323250-19	460-323250-20	460-323250-21	460-323252-7	460-323252-8	460-323250-22	460-323250-23	460-323250-24	460-323251-1	460-323251-2	460-323251-3	460-323251-4
Sample Depth (bgs)	Objectives	0 - 1 (ft)	0 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	3 - 4 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	4 - 5 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)																	
1,2,4,5-Tetrachlorobenzene	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
1,4-Dioxane	130	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	-	-	-	-	-	-	-	ND (0.079)	ND (0.078)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	-	-	-	-	-	-	-	ND (0.079)	ND (0.078)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2-Chlorophenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2-Nitroaniline	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
2-Nitrophenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Chloroaniline	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Methylphenol	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Nitroaniline	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
4-Nitrophenol	NA	-	-	-	-	-	-	-	ND (0.79)	ND (0.78)	-	-	-	-	-	-	-
Acenaphthene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Acenaphthylene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Acetophenone	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Anthracene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Atrazine	NA	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Biphenyl	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Caprolactam	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Carbazole	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Chrysene	56	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Dibenzofuran	350	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Fluoranthene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Fluorene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Hexachlorobenzene	6	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	-	-	-	-	-	-	-	ND (0.079)	ND (0.078)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Hexachloroethane	NA	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
Isophorone	NA	-	-	-	-	-	-	-	ND (0.16)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Nitrobenzene	NA	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	-	-	-	-	-	-	-	ND (0.039)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	-	-	-	-	-	-	-	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-
Phenanthrene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Phenol	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-
Pyrene	500	-	-	-	-	-	-	-	ND (0.39)	ND (0.38)	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																
Location Name	NY Part 375	7C1	7C1	7C2	7C2	7C3	7C3	7C3	7D	7D	7D1	7D1	7D2	7D2	7D2	7D3	7D3
Sample Name	Commercial	7C1_0-1	7C1_0-2	7C2_0-1	7C2_1-2	7C3_0-1	7C3_1-2	7C3_3-4	7D_0-5	7D_5-10	7D1_2-3	7D1_5-6	7D2_1-2	7D2_7-8	7D2_9-10	7D3_4-5	7D3_7-8
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323250-15	460-323250-16	460-323250-17	460-323250-18	460-323250-19	460-323250-20	460-323250-21	460-323252-7	460-323252-8	460-323250-22	460-323250-23	460-323250-24	460-323251-1	460-323251-2	460-323251-3	460-323251-4
Sample Depth (bgs)	Objectives	0 - 1 (ft)	0 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	3 - 4 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	4 - 5 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)																	
Aluminum	NA	-	-	-	-	-	-	-	9810	8550	-	-	-	-	-	-	-
Antimony	NA	-	-	-	-	-	-	-	0.31 J	0.32 J	-	-	-	-	-	-	-
Arsenic	16	-	-	-	-	-	-	-	5.2	4.6	-	-	-	-	-	-	-
Barium	400	-	-	-	-	-	-	-	77.9	59.2	-	-	-	-	-	-	-
Beryllium	590	-	-	-	-	-	-	-	0.79	0.57	-	-	-	-	-	-	-
Cadmium	9.3	-	-	-	-	-	-	-	0.13 J	0.14 J	-	-	-	-	-	-	-
Calcium	NA	-	-	-	-	-	-	-	1450	888	-	-	-	-	-	-	-
Chromium	NA	-	-	-	-	-	-	-	22.2	19.1	-	-	-	-	-	-	-
Cobalt	NA	-	-	-	-	-	-	-	9	8	-	-	-	-	-	-	-
Copper	270	-	-	-	-	-	-	-	29.6	29.3	-	-	-	-	-	-	-
Iron	NA	-	-	-	-	-	-	-	21600	16500	-	-	-	-	-	-	-
Lead	1000	-	-	-	-	-	-	-	17.2	25.9	-	-	-	-	-	-	-
Magnesium	NA	-	-	-	-	-	-	-	3500	2680	-	-	-	-	-	-	-
Manganese	10000	-	-	-	-	-	-	-	348	320	-	-	-	-	-	-	-
Mercury	2.8	-	-	-	-	-	-	-	0.021	0.012 J	-	-	-	-	-	-	-
Nickel	310	-	-	-	-	-	-	-	22.5	21.2	-	-	-	-	-	-	-
Potassium	NA	-	-	-	-	-	-	-	1640	1080	-	-	-	-	-	-	-
Selenium	1500	-	-	-	-	-	-	-	0.18 J	0.27 J	-	-	-	-	-	-	-
Silver	1500	-	-	-	-	-	-	-	ND (0.41)	0.11 J	-	-	-	-	-	-	-
Sodium	NA	-	-	-	-	-	-	-	68.1 J	56.3 J	-	-	-	-	-	-	-
Thallium	NA	-	-	-	-	-	-	-	0.16 J	0.12 J	-	-	-	-	-	-	-
Vanadium	NA	-	-	-	-	-	-	-	31.4	23.8	-	-	-	-	-	-	-
Zinc	10000	-	-	-	-	-	-	-	52.2	72	-	-	-	-	-	-	-
PCBs (mg/kg)																	
Aroclor-1016 (PCB-1016)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)																	
4,4'-DDD	92	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-

TABLE 1
SUMMARY OF SOIL QUALITY DATA - BERM 7
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																
Location Name	NY Part 375	7C1	7C1	7C2	7C2	7C3	7C3	7C3	7D	7D	7D1	7D1	7D2	7D2	7D2	7D3	7D3
Sample Name	Commercial	7C1_0-1	7C1_0-2	7C2_0-1	7C2_1-2	7C3_0-1	7C3_1-2	7C3_3-4	7D_0-5	7D_5-10	7D1_2-3	7D1_5-6	7D2_1-2	7D2_7-8	7D2_9-10	7D3_4-5	7D3_7-8
Sample Date	Use	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025	04/01/2025
Lab Sample ID	Soil Cleanup	460-323250-15	460-323250-16	460-323250-17	460-323250-18	460-323250-19	460-323250-20	460-323250-21	460-323252-7	460-323252-8	460-323250-22	460-323250-23	460-323250-24	460-323251-1	460-323251-2	460-323251-3	460-323251-4
Sample Depth (bgs)	Objectives	0 - 1 (ft)	0 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	0 - 1 (ft)	1 - 2 (ft)	3 - 4 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	4 - 5 (ft)	7 - 8 (ft)
PFAS (mg/kg)																	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	-	-	-	-	-	-	-	ND (0.00354)	ND (0.00353)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	-	-	-	-	-	-	-	ND (0.00354)	ND (0.00353)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	-	-	-	-	-	-	-	ND (0.00071)	ND (0.00071)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	-	-	-	-	-	-	-	ND (0.00142)	ND (0.00141)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	-	-	-	-	-	-	-	0.000081 J	0.00007 J	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	-	-	-	-	-	-	-	ND (0.00142)	ND (0.00141)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	-	-	-	-	-	-	-	ND (0.00057)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	-	-	-	-	-	-	-	0.0001 J	0.00013 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	-	-	-	-	-	-	-	0.000051 J	0.00004 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	-	-	-	-	-	-	-	0.000064 J	0.00004 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	-	-	-	-	-	-	-	0.00045	0.00026	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	-	-	-	-	-	-	-	0.000048 J	0.000042 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	-	-	-	-	-	-	-	0.00016	0.00013 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	-	-	-	-	-	-	-	0.000062 J	0.000084 J	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9A	9A	9A1	9A1	9A2	9A2	9A3	9A3	9A3	9B	9B	9B1	9B1	9B2	9B2	9B3	9B3	9B3
Sample Name	Commercial	9A_0-5	9A_5-10	9A1_0-1	9A1_3-4	9A2_4-5	9A2_8-9	9A3_4-5	9A3_7-8	9A3_9-10	9B_0-5	9B_5-10	9B1_2-3	9B1_6-7	9B2_2-3	9B2_8-9	9B3_3-4	9B3_7-8	9B3_9-10
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-1	460-323526-2	460-323430-36	460-323430-37	460-323430-38	460-323430-39	460-323430-40	460-323430-41	460-323430-42	460-323526-3	460-323526-4	460-323430-43	460-323430-44	460-323430-45	460-323430-46	460-323430-47	460-323430-49	460-323430-48
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	4 - 5 (ft)	8 - 9 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,1,2-Trichloroethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,1-Dichloroethane	240	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,1-Dichloroethene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2-Dichlorobenzene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2-Dichloroethane	30	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,2-Dichloropropane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,3-Dichlorobenzene	280	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
1,4-Dichlorobenzene	130	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0049)	ND (0.0047)	ND (0.0051)	ND (0.0047)	ND (0.0049)	ND (0.0094)	ND (0.0045)	-	-	ND (0.0049)	ND (0.0054)	ND (0.0051)	ND (0.0043)	ND (0.0049)	ND (0.0046)	ND (0.0047)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0049)	ND (0.0047)	ND (0.0051)	ND (0.0047)	ND (0.0049)	ND (0.0094)	ND (0.0045)	-	-	ND (0.0049)	ND (0.0054)	ND (0.0051)	ND (0.0043)	ND (0.0049)	ND (0.0046)	ND (0.0047)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0049)	ND (0.0047)	ND (0.0051)	ND (0.0047)	ND (0.0049)	ND (0.0094)	ND (0.0045)	-	-	ND (0.0049)	ND (0.0054)	ND (0.0051)	ND (0.0043)	ND (0.0049)	ND (0.0046)	ND (0.0047)
Acetone	500	-	-	ND (0.0059)	ND (0.0056)	ND (0.0061)	ND (0.0056)	ND (0.0058)	ND (0.011)	ND (0.0054)	-	-	ND (0.0059)	ND (0.0065)	ND (0.0061)	ND (0.0052)	ND (0.0059)	ND (0.0055)	ND (0.0057)
Benzene	44	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Bromodichloromethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Bromoform	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0038)	ND (0.0018)	-	-	ND (0.002)	ND (0.0022)	ND (0.002)	ND (0.0017)	ND (0.002)	ND (0.0018)	ND (0.0019)
Carbon disulfide	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Carbon tetrachloride	22	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Chlorobenzene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Chlorobromomethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Chloroethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Chloroform (Trichloromethane)	350	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
cis-1,2-Dichloroethene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Cyclohexane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Dibromochloromethane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Ethylbenzene	390	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
m,p-Xylenes	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Methyl acetate	NA	-	-	ND (0.0049)	ND (0.0047)	ND (0.0051)	ND (0.0047)	ND (0.0049)	ND (0.0094)	ND (0.0045)	-	-	ND (0.0049)	ND (0.0054)	ND (0.0051)	ND (0.0043)	ND (0.0049)	ND (0.0046)	ND (0.0047)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Methylcyclohexane	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0038)	ND (0.0018)	-	-	ND (0.002)	ND (0.0022)	ND (0.002)	ND (0.0017)	ND (0.002)	ND (0.0018)	ND (0.0019)
n-Butylbenzene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
n-Propylbenzene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
o-Xylene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Styrene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
tert-Butylbenzene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Tetrachloroethene	150	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Toluene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
trans-1,2-Dichloroethene	500	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Trichloroethene	200	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Vinyl chloride	13	-	-	ND (0.00098)	ND (0.00093)	ND (0.001)	ND (0.00094)	ND (0.00097)	ND (0.0019)	ND (0.0009)	-	-	ND (0.00098)	ND (0.0011)	ND (0.001)	ND (0.00087)	ND (0.00098)	ND (0.00091)	ND (0.00095)
Xylene (Total)	500	-	-	ND (0.002)	ND (0.0019)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0038)	ND (0.0018)	-	-	ND (0.002)	ND (0.0022)	ND (0.002)	ND (0.0017)	ND (0.002)	ND (0.0018)	ND (0.0019)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9A	9A	9A1	9A1	9A2	9A2	9A3	9A3	9A3	9B	9B	9B1	9B1	9B2	9B2	9B3	9B3	9B3
Sample Name	Commercial	9A_0-5	9A_5-10	9A1_0-1	9A1_3-4	9A2_4-5	9A2_8-9	9A3_4-5	9A3_7-8	9A3_9-10	9B_0-5	9B_5-10	9B1_2-3	9B1_6-7	9B2_2-3	9B2_8-9	9B3_3-4	9B3_7-8	9B3_9-10
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-1	460-323526-2	460-323430-36	460-323430-37	460-323430-38	460-323430-39	460-323430-40	460-323430-41	460-323430-42	460-323526-3	460-323526-4	460-323430-43	460-323430-44	460-323430-45	460-323430-46	460-323430-47	460-323430-49	460-323430-48
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	4 - 5 (ft)	8 - 9 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.77)	-	-	-	-	-	-	-	ND (0.72)	ND (0.75)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.14) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.37) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	0.0099 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.37) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.029 J	0.021 J	-	-	-	-	-	-	-	0.026 J	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.011 J	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9A	9A	9A1	9A1	9A2	9A2	9A3	9A3	9A3	9B	9B	9B1	9B1	9B2	9B2	9B3	9B3	9B3
Sample Name	Commercial	9A_0-5	9A_5-10	9A1_0-1	9A1_3-4	9A2_4-5	9A2_8-9	9A3_4-5	9A3_7-8	9A3_9-10	9B_0-5	9B_5-10	9B1_2-3	9B1_6-7	9B2_2-3	9B2_8-9	9B3_3-4	9B3_7-8	9B3_9-10
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-1	460-323526-2	460-323430-36	460-323430-37	460-323430-38	460-323430-39	460-323430-40	460-323430-41	460-323430-42	460-323526-3	460-323526-4	460-323430-43	460-323430-44	460-323430-45	460-323430-46	460-323430-47	460-323430-49	460-323430-48
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	4 - 5 (ft)	8 - 9 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	8100	7430	-	-	-	-	-	-	-	7560	6910	-	-	-	-	-	-	-
Antimony	NA	0.23 J	3.4	-	-	-	-	-	-	-	0.79 J	0.81 J	-	-	-	-	-	-	-
Arsenic	16	4.3	5.5	-	-	-	-	-	-	-	6.9	7.1	-	-	-	-	-	-	-
Barium	400	75.8	72.8	-	-	-	-	-	-	-	91.9	84.3	-	-	-	-	-	-	-
Beryllium	590	0.66	0.73	-	-	-	-	-	-	-	1.2	0.94	-	-	-	-	-	-	-
Cadmium	9.3	0.12 J	0.15 J	-	-	-	-	-	-	-	0.39 J	0.36 J	-	-	-	-	-	-	-
Calcium	NA	2630	1540	-	-	-	-	-	-	-	2190	2460	-	-	-	-	-	-	-
Chromium	NA	17.8	19.5	-	-	-	-	-	-	-	29.9	30.2	-	-	-	-	-	-	-
Cobalt	NA	7.3	9.2	-	-	-	-	-	-	-	11.5	14.1	-	-	-	-	-	-	-
Copper	270	24.4	241	-	-	-	-	-	-	-	101	99.6	-	-	-	-	-	-	-
Iron	NA	19200	19700	-	-	-	-	-	-	-	22800	21200	-	-	-	-	-	-	-
Lead	1000	50.9	101	-	-	-	-	-	-	-	294	283	-	-	-	-	-	-	-
Magnesium	NA	3290	2820	-	-	-	-	-	-	-	1980	2230	-	-	-	-	-	-	-
Manganese	10000	381	303	-	-	-	-	-	-	-	226	230	-	-	-	-	-	-	-
Mercury	2.8	ND (0.018)	ND (0.019)	-	-	-	-	-	-	-	0.029	0.03	-	-	-	-	-	-	-
Nickel	310	17.5	151	-	-	-	-	-	-	-	42.3	51.7	-	-	-	-	-	-	-
Potassium	NA	1440	1210	-	-	-	-	-	-	-	1080	1070	-	-	-	-	-	-	-
Selenium	1500	0.13 J	0.52 J	-	-	-	-	-	-	-	0.49 J	0.41 J	-	-	-	-	-	-	-
Silver	1500	ND (0.41)	0.61	-	-	-	-	-	-	-	0.25 J	0.24 J	-	-	-	-	-	-	-
Sodium	NA	108	95.2 J	-	-	-	-	-	-	-	152	127	-	-	-	-	-	-	-
Thallium	NA	0.11 J	0.11 J	-	-	-	-	-	-	-	0.093 J	0.084 J	-	-	-	-	-	-	-
Vanadium	NA	22.9	23.5	-	-	-	-	-	-	-	23.4	22	-	-	-	-	-	-	-
Zinc	10000	58.4	105	-	-	-	-	-	-	-	270	278	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0075)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9A	9A	9A1	9A1	9A2	9A2	9A3	9A3	9A3	9B	9B	9B1	9B1	9B2	9B2	9B3	9B3	9B3
Sample Name	Commercial	9A_0-5	9A_5-10	9A1_0-1	9A1_3-4	9A2_4-5	9A2_8-9	9A3_4-5	9A3_7-8	9A3_9-10	9B_0-5	9B_5-10	9B1_2-3	9B1_6-7	9B2_2-3	9B2_8-9	9B3_3-4	9B3_7-8	9B3_9-10
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-1	460-323526-2	460-323430-36	460-323430-37	460-323430-38	460-323430-39	460-323430-40	460-323430-41	460-323430-42	460-323526-3	460-323526-4	460-323430-43	460-323430-44	460-323430-45	460-323430-46	460-323430-47	460-323430-49	460-323430-48
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	4 - 5 (ft)	8 - 9 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00337)	ND (0.0036)	-	-	-	-	-	-	-	ND (0.00338)	ND (0.00343)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00337)	ND (0.0036)	-	-	-	-	-	-	-	ND (0.00338)	ND (0.00343)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00067)	ND (0.00072)	-	-	-	-	-	-	-	ND (0.00068)	ND (0.00069)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00054)	0.00021 J	-	-	-	-	-	-	-	0.00043 J	0.00078	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00135)	ND (0.00144)	-	-	-	-	-	-	-	ND (0.00135)	ND (0.00137)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.000055 J	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00135)	ND (0.00144)	-	-	-	-	-	-	-	ND (0.00135)	0.00083 J	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00054)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00022	0.00026	-	-	-	-	-	-	-	0.00084	0.00056	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00011 J	0.00025	-	-	-	-	-	-	-	0.00041	0.00045	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00013)	0.000038 J	-	-	-	-	-	-	-	0.00011 J	0.000061 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	0.00008 J	0.000064 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00028	0.00034	-	-	-	-	-	-	-	0.00096	0.00064	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.00013 J	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000044 J	0.000037 J	-	-	-	-	-	-	-	0.000077 J	0.00012 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000063 J	0.000084 J	-	-	-	-	-	-	-	0.0002	0.000097 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	0.000094 J	ND (0.00027)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00013)	0.000067 J	-	-	-	-	-	-	-	0.00011 J	0.00012 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00057	0.00131	-	-	-	-	-	-	-	0.00252	0.00331	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00067	0.00145	-	-	-	-	-	-	-	0.00332	0.00405	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9C	9C	9C1	9C1	9C2	9C2	9C2	9C3	9C3	9D	9D	9D1	9D1	9D2	9D2	9D3	9D3	9D3
Sample Name	Commercial	9C_0-5	9C_5-10	9C1_1-2	9C1_5-6	9C2_3-4	9C2_6-7	9C2_9-10	9C3_4-5	9C3_8-9	9D_0-5	9D_5-10	9D1_0-1	9D1_7-8	9D2_3-4	9D2_9-10	9D3_2-3	9D3_5-6	9D3_7-8
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-5	460-323526-6	460-323430-50	460-323430-51	460-323430-52	460-323430-53	460-323430-54	460-323430-55	460-323430-56	460-323526-7	460-323526-8	460-323430-57	460-323430-58	460-323430-59	460-323430-60	460-323430-61	460-323430-62	460-323430-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	7 - 8 (ft)	3 - 4 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,1,2-Trichloroethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,1-Dichloroethane	240	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,1-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2-Dichlorobenzene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2-Dichloroethane	30	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,2-Dichloropropane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,3-Dichlorobenzene	280	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
1,4-Dichlorobenzene	130	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0046)	ND (0.0063)	ND (0.005)	ND (0.0052)	ND (0.012)	ND (0.0045)	ND (0.005)	-	-	ND (0.005)	ND (0.0043)	ND (0.0072)	ND (0.0046)	ND (0.004)	ND (0.004)	ND (0.0044)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0046)	ND (0.0063)	ND (0.005)	ND (0.0052)	ND (0.012)	ND (0.0045)	ND (0.005)	-	-	ND (0.005)	ND (0.0043)	ND (0.0072)	ND (0.0046)	ND (0.004)	ND (0.004)	ND (0.0044)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0046)	ND (0.0063)	ND (0.005)	ND (0.0052)	ND (0.012)	ND (0.0045)	ND (0.005)	-	-	ND (0.005)	ND (0.0043)	ND (0.0072)	ND (0.0046)	ND (0.004)	ND (0.004)	ND (0.0044)
Acetone	500	-	-	ND (0.0056)	ND (0.0076)	ND (0.006)	ND (0.0062)	ND (0.014)	ND (0.0054)	ND (0.006)	-	-	ND (0.006)	ND (0.0052)	ND (0.0086)	ND (0.0056)	ND (0.0048)	ND (0.0048)	ND (0.0053)
Benzene	44	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Bromodichloromethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Bromoform	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0019)	ND (0.0025)	ND (0.002)	ND (0.0021)	ND (0.0048)	ND (0.0018)	ND (0.002)	-	-	ND (0.002)	ND (0.0017)	ND (0.0029)	ND (0.0019)	ND (0.0016)	ND (0.0016)	ND (0.0018)
Carbon disulfide	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Carbon tetrachloride	22	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Chlorobenzene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Chlorobromomethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Chloroethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Chloroform (Trichloromethane)	350	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
cis-1,2-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Cyclohexane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Dibromochloromethane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Ethylbenzene	390	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
m,p-Xylenes	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Methyl acetate	NA	-	-	ND (0.0046)	ND (0.0063)	ND (0.005)	ND (0.0052) *	ND (0.012) *	ND (0.0045)	ND (0.005) *	-	-	ND (0.005)	ND (0.0043) *	ND (0.0072)	ND (0.0046)	ND (0.004) *	ND (0.004)	ND (0.0044)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Methylcyclohexane	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0019)	ND (0.0025)	ND (0.002)	ND (0.0021)	ND (0.0048)	ND (0.0018)	ND (0.002)	-	-	ND (0.002)	ND (0.0017)	ND (0.0029)	ND (0.0019)	ND (0.0016)	ND (0.0016)	0.0024
n-Butylbenzene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
n-Propylbenzene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
o-Xylene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Styrene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
tert-Butylbenzene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Tetrachloroethene	150	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Toluene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
trans-1,2-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Trichloroethene	200	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Vinyl chloride	13	-	-	ND (0.00093)	ND (0.0013)	ND (0.001)	ND (0.001)	ND (0.0024)	ND (0.0009)	ND (0.001)	-	-	ND (0.001)	ND (0.00086)	ND (0.0014)	ND (0.00093)	ND (0.00081)	ND (0.00079)	ND (0.00089)
Xylene (Total)	500	-	-	ND (0.0019)	ND (0.0025)	ND (0.002)	ND (0.0021)	ND (0.0048)	ND (0.0018)	ND (0.002)	-	-	ND (0.002)	ND (0.0017)	ND (0.0029)	ND (0.0019)	ND (0.0016)	ND (0.0016)	ND (0.0018)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9C	9C	9C1	9C1	9C2	9C2	9C2	9C3	9C3	9D	9D	9D1	9D1	9D2	9D2	9D3	9D3	9D3
Sample Name	Commercial	9C_0-5	9C_5-10	9C1_1-2	9C1_5-6	9C2_3-4	9C2_6-7	9C2_9-10	9C3_4-5	9C3_8-9	9D_0-5	9D_5-10	9D1_0-1	9D1_7-8	9D2_3-4	9D2_9-10	9D3_2-3	9D3_5-6	9D3_7-8
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-5	460-323526-6	460-323430-50	460-323430-51	460-323430-52	460-323430-53	460-323430-54	460-323430-55	460-323430-56	460-323526-7	460-323526-8	460-323430-57	460-323430-58	460-323430-59	460-323430-60	460-323430-61	460-323430-62	460-323430-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	7 - 8 (ft)	3 - 4 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.076)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.076)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.012 J	0.025 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.76)	ND (0.8)	-	-	-	-	-	-	-	ND (0.76)	ND (0.76)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.16) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38) *	ND (0.39) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.013 J	0.012 J	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38) *	ND (0.39) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.38)	0.05 J	-	-	-	-	-	-	-	ND (0.38)	0.025 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.076)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	0.016 J	0.039 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.039)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.38)	0.03 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	ND (0.39)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.014 J	0.016 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9C	9C	9C1	9C1	9C2	9C2	9C2	9C3	9C3	9D	9D	9D1	9D1	9D2	9D2	9D3	9D3	9D3
Sample Name	Commercial	9C_0-5	9C_5-10	9C1_1-2	9C1_5-6	9C2_3-4	9C2_6-7	9C2_9-10	9C3_4-5	9C3_8-9	9D_0-5	9D_5-10	9D1_0-1	9D1_7-8	9D2_3-4	9D2_9-10	9D3_2-3	9D3_5-6	9D3_7-8
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-5	460-323526-6	460-323430-50	460-323430-51	460-323430-52	460-323430-53	460-323430-54	460-323430-55	460-323430-56	460-323526-7	460-323526-8	460-323430-57	460-323430-58	460-323430-59	460-323430-60	460-323430-61	460-323430-62	460-323430-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	7 - 8 (ft)	3 - 4 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	10500	10200	-	-	-	-	-	-	-	8060	7410	-	-	-	-	-	-	-
Antimony	NA	0.84 J	0.98 J	-	-	-	-	-	-	-	10.3	0.42 J	-	-	-	-	-	-	-
Arsenic	16	14.4	7.8	-	-	-	-	-	-	-	8.7	5.7	-	-	-	-	-	-	-
Barium	400	76	100	-	-	-	-	-	-	-	73.8	80.8	-	-	-	-	-	-	-
Beryllium	590	1.9	1.5	-	-	-	-	-	-	-	0.72	1.2	-	-	-	-	-	-	-
Cadmium	9.3	0.48 J	0.44 J	-	-	-	-	-	-	-	0.18 J	0.18 J	-	-	-	-	-	-	-
Calcium	NA	1560	2810	-	-	-	-	-	-	-	2380	5030	-	-	-	-	-	-	-
Chromium	NA	175	33.9	-	-	-	-	-	-	-	19.4	30.7	-	-	-	-	-	-	-
Cobalt	NA	10.5	12.5	-	-	-	-	-	-	-	11.9	10.6	-	-	-	-	-	-	-
Copper	270	93.4	113	-	-	-	-	-	-	-	**980**	53.4	-	-	-	-	-	-	-
Iron	NA	45100	26600	-	-	-	-	-	-	-	21600	23300	-	-	-	-	-	-	-
Lead	1000	288	380	-	-	-	-	-	-	-	157	120	-	-	-	-	-	-	-
Magnesium	NA	2340	2550	-	-	-	-	-	-	-	3180	4100	-	-	-	-	-	-	-
Manganese	10000	302	244	-	-	-	-	-	-	-	380	544	-	-	-	-	-	-	-
Mercury	2.8	0.018 J	0.013 J	-	-	-	-	-	-	-	0.013 J	0.014 J	-	-	-	-	-	-	-
Nickel	310	36	56.7	-	-	-	-	-	-	-	243	31.3	-	-	-	-	-	-	-
Potassium	NA	1280	1410	-	-	-	-	-	-	-	1310	1180	-	-	-	-	-	-	-
Selenium	1500	0.9 J	0.52 J	-	-	-	-	-	-	-	1.8	0.17 J	-	-	-	-	-	-	-
Silver	1500	0.18 J	0.28 J	-	-	-	-	-	-	-	1.8	0.11 J	-	-	-	-	-	-	-
Sodium	NA	103 J	163	-	-	-	-	-	-	-	110	111	-	-	-	-	-	-	-
Thallium	NA	0.1 J	0.11 J	-	-	-	-	-	-	-	0.12 J	0.12 J	-	-	-	-	-	-	-
Vanadium	NA	43.2	28.7	-	-	-	-	-	-	-	22.7	59.7	-	-	-	-	-	-	-
Zinc	10000	203	355	-	-	-	-	-	-	-	123	164	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0077)	ND (0.008)	-	-	-	-	-	-	-	ND (0.0076)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.077)	ND (0.08)	-	-	-	-	-	-	-	ND (0.076)	ND (0.076)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 9
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	9C	9C	9C1	9C1	9C2	9C2	9C2	9C3	9C3	9D	9D	9D1	9D1	9D2	9D2	9D3	9D3	9D3
Sample Name	Commercial	9C_0-5	9C_5-10	9C1_1-2	9C1_5-6	9C2_3-4	9C2_6-7	9C2_9-10	9C3_4-5	9C3_8-9	9D_0-5	9D_5-10	9D1_0-1	9D1_7-8	9D2_3-4	9D2_9-10	9D3_2-3	9D3_5-6	9D3_7-8
Sample Date	Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-5	460-323526-6	460-323430-50	460-323430-51	460-323430-52	460-323430-53	460-323430-54	460-323430-55	460-323430-56	460-323526-7	460-323526-8	460-323430-57	460-323430-58	460-323430-59	460-323430-60	460-323430-61	460-323430-62	460-323430-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	7 - 8 (ft)	3 - 4 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00359)	ND (0.00372)	-	-	-	-	-	-	-	ND (0.00353)	ND (0.00354)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00359)	ND (0.00372)	-	-	-	-	-	-	-	ND (0.00353)	ND (0.00354)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-	ND (0.00071)	ND (0.00071)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00024 J	0.00058 J	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00144)	ND (0.00149)	-	-	-	-	-	-	-	ND (0.00141)	ND (0.00141)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00144)	ND (0.00149)	-	-	-	-	-	-	-	ND (0.00141)	0.00061 J	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00029)	ND (0.0003)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00029)	ND (0.0003)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00029)	ND (0.0003)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00029)	ND (0.0003)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00057)	ND (0.0006)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.001	0.00032	-	-	-	-	-	-	-	0.00011 J	0.00012 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00025	0.00023	-	-	-	-	-	-	-	0.0001 J	0.00013 J	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000098 J	0.000058 J	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000058 J	0.000053 J	-	-	-	-	-	-	-	ND (0.00014)	0.000037 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00316	0.00107	-	-	-	-	-	-	-	0.00011 J	0.0001 J	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	0.00007 J	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	0.000054 J	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00014	0.000076 J	-	-	-	-	-	-	-	ND (0.00014)	0.000048 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00035	0.00013 J	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.000075 J	ND (0.0003)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000066 J	0.000081 J	-	-	-	-	-	-	-	ND (0.00014)	0.00004 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.0019	0.00243	-	-	-	-	-	-	-	0.00073	0.00067	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00309	0.00432	-	-	-	-	-	-	-	0.00053	0.00046	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10A	10A	10A	10A	10A	10A1	10A1	10A1	10A3	10B	10B	10B1	10B1	10B1	10B2	10B2	10B3	10B3
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10A_0-4	10A2_2-3	10A_4-8	10A3_4-5	10A2_5-6	10A1_1-2	10A1_3-4	10A1_6-7	10A3_7-8	10B_0-6	10B_6-12	10B1_2-3	10B1_5-6	10B1_10-11	10B2_3-4	10B2_7-8	10B3_4-5	10B3_11-12
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-9	460-323430-4	460-323526-10	460-323430-6	460-323430-5	460-323430-1	460-323430-2	460-323430-3	460-323430-7	460-323526-11	460-323526-12	460-323430-8	460-323430-9	460-323430-10	460-323430-11	460-323430-12	460-323430-13	460-323430-14
Sample Depth (bgs)		0 - 4 (ft)	2 - 3 (ft)	4 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	5 - 6 (ft)	10 - 11 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	11 - 12 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,1,2,2-Tetrachloroethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,1,2-Trichloroethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,1-Dichloroethane	240	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,1-Dichloroethene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2,3-Trichlorobenzene	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2,4-Trichlorobenzene	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2,4-Trimethylbenzene	190	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2-Dichlorobenzene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2-Dichloroethane	30	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,2-Dichloropropane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,3,5-Trimethylbenzene	190	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,3-Dichlorobenzene	280	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
1,4-Dichlorobenzene	130	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	500	-	ND (0.0043)	-	ND (0.0067)	ND (0.007)	ND (0.0051)	ND (0.004)	ND (0.0043)	ND (0.0049)	-	-	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0047)	ND (0.006)	ND (0.0073)	ND (0.0054)
2-Hexanone (Methyl Butyl Ketone)	NA	-	ND (0.0043)	-	ND (0.0067)	ND (0.007)	ND (0.0051)	ND (0.004)	ND (0.0043)	ND (0.0049)	-	-	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0047)	ND (0.006)	ND (0.0073)	ND (0.0054)
2-Phenylbutane (sec-Butylbenzene)	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	ND (0.0043)	-	ND (0.0067)	ND (0.007)	ND (0.0051)	ND (0.004)	ND (0.0043)	ND (0.0049)	-	-	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0047)	ND (0.006)	ND (0.0073)	ND (0.0054)
Acetone	500	-	0.005 J	-	ND (0.0081)	ND (0.0084)	ND (0.0061)	ND (0.0048)	ND (0.0051)	ND (0.0059)	-	-	ND (0.0083)	0.025	ND (0.0077)	ND (0.0056)	ND (0.0072)	ND (0.0088)	ND (0.0065)
Benzene	44	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Bromodichloromethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Bromoform	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Bromomethane (Methyl Bromide)	NA	-	ND (0.0017)	-	ND (0.0027)	ND (0.0028)	ND (0.002)	ND (0.0016)	ND (0.0017)	ND (0.002)	-	-	ND (0.0028)	ND (0.0023)	ND (0.0026)	ND (0.0019)	ND (0.0024)	ND (0.0029)	ND (0.0022)
Carbon disulfide	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Carbon tetrachloride	22	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Chlorobenzene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Chlorobromomethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Chloroethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001) *	ND (0.00079) *	ND (0.00086) *	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Chloroform (Trichloromethane)	350	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001) *	ND (0.00079) *	ND (0.00086) *	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094) *	ND (0.0012) *	ND (0.0015)	ND (0.0011)
cis-1,2-Dichloroethene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
cis-1,3-Dichloropropene	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Cyclohexane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Dibromochloromethane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Dichlorodifluoromethane (CFC-12)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094) *	ND (0.0012) *	ND (0.0015)	ND (0.0011)
Ethylbenzene	390	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Isopropylbenzene (Cumene)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
m,p-Xylenes	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Methyl acetate	NA	-	ND (0.0043)	-	ND (0.0067)	ND (0.007)	ND (0.0051)	ND (0.004)	ND (0.0043)	ND (0.0049)	-	-	ND (0.007)	0.0071	ND (0.0064)	ND (0.0047)	ND (0.006)	ND (0.0073)	ND (0.0054)
Methyl Tert Butyl Ether (MTBE)	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Methylcyclohexane	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Methylene chloride (Dichloromethane)	500	-	ND (0.0017)	-	ND (0.0027)	ND (0.0028)	ND (0.002)	ND (0.0016)	ND (0.0017)	ND (0.002)	-	-	ND (0.0028)	ND (0.0023)	ND (0.0026)	ND (0.0019)	ND (0.0024)	ND (0.0029)	ND (0.0022)
n-Butylbenzene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
n-Propylbenzene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
o-Xylene	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Styrene	NA	-	0.00028 J	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
tert-Butylbenzene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Tetrachloroethene	150	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Toluene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
trans-1,2-Dichloroethene	500	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
trans-1,3-Dichloropropene	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Trichloroethene	200	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Trichlorofluoromethane (CFC-11)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Trifluorotrichloroethane (Freon 113)	NA	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001)	ND (0.00079)	ND (0.00086)	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Vinyl chloride	13	-	ND (0.00085)	-	ND (0.0013)	ND (0.0014)	ND (0.001) *	ND (0.00079) *	ND (0.00086) *	ND (0.00099)	-	-	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.00094)	ND (0.0012)	ND (0.0015)	ND (0.0011)
Xylene (Total)	500	-	ND (0.0017)	-	ND (0.0027)	ND (0.0028)	ND (0.002)	ND (0.0016)	ND (0.0017)	ND (0.002)	-	-	ND (0.0028)	ND (0.0023)	ND (0.0026)	ND (0.0019)	ND (0.0024)	ND (0.0029)	ND (0.0022)

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10A	10A	10A	10A	10A	10A1	10A1	10A1	10A3	10B	10B	10B1	10B1	10B1	10B2	10B2	10B3	10B3
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10A_0-4	10A2_2-3	10A_4-8	10A3_4-5	10A2_5-6	10A1_1-2	10A1_3-4	10A1_6-7	10A3_7-8	10B_0-6	10B_6-12	10B1_2-3	10B1_5-6	10B1_10-11	10B2_3-4	10B2_7-8	10B3_4-5	10B3_11-12
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-9	460-323430-4	460-323526-10	460-323430-6	460-323430-5	460-323430-1	460-323430-2	460-323430-3	460-323430-7	460-323526-11	460-323526-12	460-323430-8	460-323430-9	460-323430-10	460-323430-11	460-323430-12	460-323430-13	460-323430-14
Sample Depth (bgs)		0 - 4 (ft)	2 - 3 (ft)	4 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	5 - 6 (ft)	10 - 11 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	11 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	-	ND (0.15)	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	-	ND (0.15)	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	-	ND (0.3)	-	-	-	-	-	-	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	0.011 J	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	-	ND (0.15)	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	-	ND (0.3)	-	-	-	-	-	-	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.76)	-	ND (0.75)	-	-	-	-	-	-	ND (0.76)	ND (0.77)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Anthracene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	-	ND (0.15) *	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38) *	-	ND (0.37) *	-	-	-	-	-	-	ND (0.37) *	ND (0.38) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	0.012 J	ND (0.038)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	0.016 J	0.014 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	0.015 J	0.02 J	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38) *	-	ND (0.37) *	-	-	-	-	-	-	ND (0.37) *	ND (0.38) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Chrysene	56	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.024 J	-	0.03 J	-	-	-	-	-	-	0.023 J	0.026 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Fluoranthene	500	0.017 J	-	ND (0.37)	-	-	-	-	-	-	0.015 J	ND (0.38)	-	-	-	-	-	-	-
Fluorene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	-	ND (0.15)	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	-	ND (0.037)	-	-	-	-	-	-	ND (0.037)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	-	ND (0.3)	-	-	-	-	-	-	ND (0.3)	ND (0.31)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	0.016 J	ND (0.38)	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	-	ND (0.37)	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Pyrene	500	0.018 J	-	0.011 J	-	-	-	-	-	-	0.019 J	0.018 J	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10A	10A	10A	10A	10A	10A1	10A1	10A1	10A3	10B	10B	10B1	10B1	10B1	10B2	10B2	10B3	10B3
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10A_0-4	10A2_2-3	10A_4-8	10A3_4-5	10A2_5-6	10A1_1-2	10A1_3-4	10A1_6-7	10A3_7-8	10B_0-6	10B_6-12	10B1_2-3	10B1_5-6	10B1_10-11	10B2_3-4	10B2_7-8	10B3_4-5	10B3_11-12
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-9	460-323430-4	460-323526-10	460-323430-6	460-323430-5	460-323430-1	460-323430-2	460-323430-3	460-323430-7	460-323526-11	460-323526-12	460-323430-8	460-323430-9	460-323430-10	460-323430-11	460-323430-12	460-323430-13	460-323430-14
Sample Depth (bgs)		0 - 4 (ft)	2 - 3 (ft)	4 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	5 - 6 (ft)	10 - 11 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	11 - 12 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7360	-	7790	-	-	-	-	-	-	13300	8920	-	-	-	-	-	-	-
Antimony	NA	0.41 J	-	0.17 J	-	-	-	-	-	-	1.4	1 J	-	-	-	-	-	-	-
Arsenic	16	4.9	-	4.3	-	-	-	-	-	-	12	8.5	-	-	-	-	-	-	-
Barium	400	69.6	-	79.6	-	-	-	-	-	-	87.5	73.5	-	-	-	-	-	-	-
Beryllium	590	0.64	-	0.63	-	-	-	-	-	-	0.97	0.81	-	-	-	-	-	-	-
Cadmium	9.3	0.2 J	-	ND (1.1)	-	-	-	-	-	-	1	0.74 J	-	-	-	-	-	-	-
Calcium	NA	2410	-	1840	-	-	-	-	-	-	3280	1910	-	-	-	-	-	-	-
Chromium	NA	17.3	-	18.1	-	-	-	-	-	-	40.9	35.8	-	-	-	-	-	-	-
Cobalt	NA	7.6	-	7.8	-	-	-	-	-	-	13.6	10	-	-	-	-	-	-	-
Copper	270	37.9	-	22.5	-	-	-	-	-	-	96	70.8	-	-	-	-	-	-	-
Iron	NA	16700	-	18300	-	-	-	-	-	-	32000	24100	-	-	-	-	-	-	-
Lead	1000	107	-	27.9	-	-	-	-	-	-	542	397	-	-	-	-	-	-	-
Magnesium	NA	3530	-	3650	-	-	-	-	-	-	5060	3140	-	-	-	-	-	-	-
Manganese	10000	336	-	438	-	-	-	-	-	-	424	294	-	-	-	-	-	-	-
Mercury	2.8	0.013 J	-	0.012 J	-	-	-	-	-	-	0.046	0.042	-	-	-	-	-	-	-
Nickel	310	19.7	-	17.6	-	-	-	-	-	-	35.6	27.3	-	-	-	-	-	-	-
Potassium	NA	1320	-	1540	-	-	-	-	-	-	1730	1180	-	-	-	-	-	-	-
Selenium	1500	0.15 J	-	ND (1.3)	-	-	-	-	-	-	0.44 J	0.39 J	-	-	-	-	-	-	-
Silver	1500	0.13 J	-	ND (0.42)	-	-	-	-	-	-	0.61	0.36 J	-	-	-	-	-	-	-
Sodium	NA	94.2 J	-	98.8 J	-	-	-	-	-	-	160	115	-	-	-	-	-	-	-
Thallium	NA	0.1 J	-	0.12 J	-	-	-	-	-	-	0.19 J	0.11 J	-	-	-	-	-	-	-
Vanadium	NA	21.5	-	23.5	-	-	-	-	-	-	43.8	29.8	-	-	-	-	-	-	-
Zinc	10000	91.9	-	50.2	-	-	-	-	-	-	294	223	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	-	ND (0.0022)	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	-	ND (0.0022)	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	-	ND (0.0022)	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	-	ND (0.0022)	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Endrin	89	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	-	ND (0.0022)	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0076)	-	ND (0.0075)	-	-	-	-	-	-	ND (0.0076)	ND (0.0077)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.076)	-	ND (0.075)	-	-	-	-	-	-	ND (0.076)	ND (0.077)	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10A	10A	10A	10A	10A	10A1	10A1	10A1	10A3	10B	10B	10B1	10B1	10B1	10B2	10B2	10B3	10B3
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10A_0-4	10A2_2-3	10A_4-8	10A3_4-5	10A2_5-6	10A1_1-2	10A1_3-4	10A1_6-7	10A3_7-8	10B_0-6	10B_6-12	10B1_2-3	10B1_5-6	10B1_10-11	10B2_3-4	10B2_7-8	10B3_4-5	10B3_11-12
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-9	460-323430-4	460-323526-10	460-323430-6	460-323430-5	460-323430-1	460-323430-2	460-323430-3	460-323430-7	460-323526-11	460-323526-12	460-323430-8	460-323430-9	460-323430-10	460-323430-11	460-323430-12	460-323430-13	460-323430-14
Sample Depth (bgs)		0 - 4 (ft)	2 - 3 (ft)	4 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	5 - 6 (ft)	10 - 11 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	11 - 12 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00352)	-	ND (0.00346)	-	-	-	-	-	-	ND (0.00353)	ND (0.00359)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00352)	-	ND (0.00346)	-	-	-	-	-	-	ND (0.00353)	ND (0.00359)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.0007)	-	ND (0.00069)	-	-	-	-	-	-	ND (0.00071)	ND (0.00072)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00056)	-	0.00016 J	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.0003 J	-	0.00229	-	-	-	-	-	-	0.00014 J	0.00064	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00141)	-	ND (0.00138)	-	-	-	-	-	-	ND (0.00141)	ND (0.00143)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00141)	-	ND (0.00138)	-	-	-	-	-	-	ND (0.00141)	ND (0.00143)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	-	ND (0.00028)	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	-	ND (0.00028)	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	-	ND (0.00028)	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	-	ND (0.00028)	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	-	ND (0.00055)	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.000093 J	-	0.0008	-	-	-	-	-	-	0.00052	0.00034	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00026	-	0.00062	-	-	-	-	-	-	0.00052	0.00073	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	-	0.00012 J	-	-	-	-	-	-	0.0001 J	0.00012 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00014)	-	0.00016	-	-	-	-	-	-	0.000087 J	0.00016	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00015	-	0.0005	-	-	-	-	-	-	0.00095	0.0013	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	0.000046 J	-	0.000039 J	-	-	-	-	-	-	ND (0.00014)	0.000036 J	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000052 J	-	0.000051 J	-	-	-	-	-	-	0.000063 J	0.00011 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000048 J	-	0.00015	-	-	-	-	-	-	0.00018	0.00026	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	-	ND (0.00014)	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	-	0.00023 J	-	-	-	-	-	-	0.00012 J	0.0002 J	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000064 J	-	0.00019	-	-	-	-	-	-	0.00014	0.00028	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00134	-	0.00348	-	-	-	-	-	-	0.00883	0.01	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00037	-	0.00186	-	-	-	-	-	-	0.00549	0.0024	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10C	10C	10C1	10C1	10C2	10C2	10C2	10C3	10C3	10D	10D	10D1	10D1	10D2	10D2	10D3	10D3	10D3	10E
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10C_0-4	10C_4-8	10C1_0-1	10C1_1-2	10C2_2-3	10C2_5-6	10C2_7-8	10C3_2-3	10C3_6-7	10D_0-6	10D_6-12	10D1_3-4	10D1_7-8	10D2_4-5	10D2_9-10	10D3_0-1	10D3_5-6	10D3_11-12	10E_0-6
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-13	460-323526-14	460-323430-15	460-323430-16	460-323430-17	460-323430-18	460-323430-19	460-323430-20	460-323430-21	460-323526-15	460-323526-16	460-323430-22	460-323430-23	460-323430-24	460-323430-25	460-323430-26	460-323430-27	460-323430-28	460-323526-17
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	1 - 2 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	9 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	11 - 12 (ft)	0 - 6 (ft)
Volatile Organic Compounds (mg/kg)																				
1,1,1-Trichloroethane	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,1,2-Trichloroethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,1-Dichloroethane	240	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,1-Dichloroethene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2,4-Trimethylbenzene	190	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2-Dichlorobenzene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2-Dichloroethane	30	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,2-Dichloropropane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,3,5-Trimethylbenzene	190	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,3-Dichlorobenzene	280	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
1,4-Dichlorobenzene	130	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0049)	ND (0.0052)	ND (0.0044)	ND (0.004)	ND (0.0048)	ND (0.0052)	ND (0.0052)	-	-	ND (0.0081)	ND (0.0048)	ND (0.011)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0041)	-
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0049)	ND (0.0052)	ND (0.0044)	ND (0.004)	ND (0.0048)	ND (0.0052)	ND (0.0052)	-	-	ND (0.0081)	ND (0.0048)	ND (0.011)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0041)	-
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0049)	ND (0.0052)	ND (0.0044)	ND (0.004)	ND (0.0048)	ND (0.0052)	ND (0.0052)	-	-	ND (0.0081)	ND (0.0048)	ND (0.011)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0041)	-
Acetone	500	-	-	ND (0.0059)	ND (0.0062)	ND (0.0053)	ND (0.0048)	ND (0.0058)	ND (0.0063)	ND (0.0062)	-	-	ND (0.0098)	ND (0.0058)	ND (0.013)	ND (0.0061)	ND (0.0053)	ND (0.0066)	ND (0.005)	-
Benzene	44	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Bromodichloromethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Bromoform	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002)	ND (0.0021)	ND (0.0018)	ND (0.0016)	ND (0.0019)	ND (0.0021)	ND (0.0021)	-	-	ND (0.0033)	ND (0.0019)	ND (0.0044)	ND (0.002)	ND (0.0018)	ND (0.0022)	ND (0.0017)	-
Carbon disulfide	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Carbon tetrachloride	22	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Chlorobenzene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Chlorobromomethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Chloroethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088) *	ND (0.0008) *	ND (0.00096) *	ND (0.001) *	ND (0.001) *	-	-	ND (0.0016) *	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083) *	-
Chloroform (Trichloromethane)	350	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088) *	ND (0.0008) *	ND (0.00096) *	ND (0.001) *	ND (0.001) *	-	-	ND (0.0016) *	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
cis-1,2-Dichloroethene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
cis-1,3-Dichloropropene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Cyclohexane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Dibromochloromethane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Ethylbenzene	390	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
m,p-Xylenes	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Methyl acetate	NA	-	-	ND (0.0049) *	ND (0.0052)	ND (0.0044)	ND (0.004)	ND (0.0048)	ND (0.0052)	ND (0.0052)	-	-	ND (0.0081)	ND (0.0048)	ND (0.011)	ND (0.0051)	ND (0.0044)	ND (0.0055)	ND (0.0041)	-
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Methylcyclohexane	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Methylene chloride (Dichloromethane)	500	-	-	ND (0.002)	ND (0.0021)	ND (0.0018)	ND (0.0016)	ND (0.0019)	ND (0.0021)	ND (0.0021)	-	-	ND (0.0033)	ND (0.0019)	ND (0.0044)	ND (0.002)	ND (0.0018)	ND (0.0022)	ND (0.0017)	-
n-Butylbenzene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
n-Propylbenzene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
o-Xylene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Styrene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
tert-Butylbenzene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Tetrachloroethene	150	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Toluene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
trans-1,2-Dichloroethene	500	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
trans-1,3-Dichloropropene	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Trichloroethene	200	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00098)	ND (0.001)	ND (0.00088)	ND (0.0008)	ND (0.00096)	ND (0.001)	ND (0.001)	-	-	ND (0.0016)	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083)	-
Vinyl chloride	13	-	-	ND (0.00098)	ND (0.001)	ND (0.00088) *	ND (0.0008) *	ND (0.00096) *	ND (0.001) *	ND (0.001) *	-	-	ND (0.0016) *	ND (0.00097)	ND (0.0022)	ND (0.001)	ND (0.00088)	ND (0.0011)	ND (0.00083) *	-
Xylene (Total)	500	-	-	ND (0.002)	ND (0.0021)	ND (0.0018)	ND (0.0016)	ND (0.0019)	ND (0.0021)	ND (0.0021)	-	-	ND (0.0033)	ND (0.0019)	ND (0.0044)	ND (0.002)	ND (0.0018)	ND (0.0022)	ND (0.0017)	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10C	10C	10C1	10C1	10C2	10C2	10C2	10C3	10C3	10D	10D	10D1	10D1	10D2	10D2	10D3	10D3	10D3	10E
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10C_0-4	10C_4-8	10C1_0-1	10C1_1-2	10C2_2-3	10C2_5-6	10C2_7-8	10C3_2-3	10C3_6-7	10D_0-6	10D_6-12	10D1_3-4	10D1_7-8	10D2_4-5	10D2_9-10	10D3_0-1	10D3_5-6	10D3_11-12	10E_0-6
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-13	460-323526-14	460-323430-15	460-323430-16	460-323430-17	460-323430-18	460-323430-19	460-323430-20	460-323430-21	460-323526-15	460-323526-16	460-323430-22	460-323430-23	460-323430-24	460-323430-25	460-323430-26	460-323430-27	460-323430-28	460-323526-17
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	1 - 2 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	9 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	11 - 12 (ft)	0 - 6 (ft)
Semi-Volatile Organic Compounds (mg/kg)																				
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
1,4-Dioxane	130	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2,4,5-Trichlorophenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)
2,4-Dimethylphenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.29)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.31)
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)
2-Chloronaphthalene	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2-Chlorophenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2-Methylnaphthalene	NA	ND (0.37)	0.016 J	-	-	-	-	-	-	-	0.033 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2-Methylphenol (o-Cresol)	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2-Nitroaniline	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
2-Nitrophenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
3&4-Methylphenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)
3-Nitroaniline	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.29)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.31)
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Chloro-3-methylphenol	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Chloroaniline	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Chlorophenyl phenyl ether	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Methylphenol	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Nitroaniline	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
4-Nitrophenol	NA	ND (0.74)	ND (0.73)	-	-	-	-	-	-	-	ND (0.77)	ND (0.75)	-	-	-	-	-	-	-	ND (0.77)
Acenaphthene	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Acenaphthylene	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Acetophenone	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Anthracene	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	0.018 J	ND (0.37)	-	-	-	-	-	-	-	0.012 J
Atrazine	NA	ND (0.15) *	ND (0.14) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *
Benzaldehyde	NA	ND (0.37) *	ND (0.36) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.38) *
Benzo(a)anthracene	5.6	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
Benzo(a)pyrene	1	ND (0.037)	0.016 J	-	-	-	-	-	-	-	0.019 J	0.011 J	-	-	-	-	-	-	-	0.017 J
Benzo(b)fluoranthene	5.6	0.011 J	0.017 J	-	-	-	-	-	-	-	0.019 J	0.013 J	-	-	-	-	-	-	-	0.02 J
Benzo(g,h,i)perylene	500	ND (0.37)	0.026 J	-	-	-	-	-	-	-	0.014 J	0.015 J	-	-	-	-	-	-	-	0.031 J
Benzo(k)fluoranthene	56	ND (0.037)	0.0082 J	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	0.0076 J
Biphenyl	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
bis(2-Chloroethoxy)methane	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
bis(2-Chloroethyl)ether	NA	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
bis(2-Ethylhexyl)phthalate	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	0.1 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Butyl benzylphthalate (BBP)	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Caprolactam	NA	ND (0.37) *	ND (0.36) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.38) *
Carbazole	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Chrysene	56	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	0.019 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Dibenz(a,h)anthracene	0.56	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
Dibenzofuran	350	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Diethyl phthalate	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Dimethyl phthalate	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Di-n-butylphthalate (DBP)	NA	ND (0.37)	0.019 J	-	-	-	-	-	-	-	0.023 J	0.053 J	-	-	-	-	-	-	-	0.02 J
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Fluoranthene	500	0.014 J	0.016 J	-	-	-	-	-	-	-	0.023 J	ND (0.37)	-	-	-	-	-	-	-	0.021 J
Fluorene	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Hexachlorobenzene	6	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
Hexachlorobutadiene	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)
Hexachlorocyclopentadiene	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Hexachloroethane	NA	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
Indeno(1,2,3-cd)pyrene	5.6	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	0.018 J
Isophorone	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)
Naphthalene	500	ND (0.37)	0.0092 J	-	-	-	-	-	-	-	0.033 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Nitrobenzene	NA	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
N-Nitrosodi-n-propylamine	NA	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)
N-Nitrosodiphenylamine	NA	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Pentachlorophenol	6.7	ND (0.3)	ND (0.29)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.31)
Phenanthrene	500	0.018 J	0.016 J	-	-	-	-	-	-	-	0.062 J	0.018 J	-	-	-	-	-	-	-	0.017 J
Phenol	500	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)
Pyrene	500	0.016 J	0.02 J	-	-	-	-	-	-	-	0.046 J	0.02 J	-	-	-	-	-	-	-	0.028 J

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10C	10C	10C1	10C1	10C2	10C2	10C2	10C3	10C3	10D	10D	10D1	10D1	10D2	10D2	10D3	10D3	10D3	10E
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10C_0-4	10C_4-8	10C1_0-1	10C1_1-2	10C2_2-3	10C2_5-6	10C2_7-8	10C3_2-3	10C3_6-7	10D_0-6	10D_6-12	10D1_3-4	10D1_7-8	10D2_4-5	10D2_9-10	10D3_0-1	10D3_5-6	10D3_11-12	10E_0-6
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-13	460-323526-14	460-323430-15	460-323430-16	460-323430-17	460-323430-18	460-323430-19	460-323430-20	460-323430-21	460-323526-15	460-323526-16	460-323430-22	460-323430-23	460-323430-24	460-323430-25	460-323430-26	460-323430-27	460-323430-28	460-323526-17
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	1 - 2 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	9 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	11 - 12 (ft)	0 - 6 (ft)
Inorganic Compounds (mg/kg)																				
Aluminum	NA	6080	5280	-	-	-	-	-	-	-	6430	6680	-	-	-	-	-	-	-	9050
Antimony	NA	0.94 J	0.81 J	-	-	-	-	-	-	-	0.74 J	3.6	-	-	-	-	-	-	-	2.6
Arsenic	16	9.1	7.2	-	-	-	-	-	-	-	7.1	11.5	-	-	-	-	-	-	-	7.5
Barium	400	56.5	43.8	-	-	-	-	-	-	-	59	82.1	-	-	-	-	-	-	-	182
Beryllium	590	1	0.66	-	-	-	-	-	-	-	0.74	2.3	-	-	-	-	-	-	-	1.8
Cadmium	9.3	0.31 J	0.28 J	-	-	-	-	-	-	-	0.34 J	0.52 J	-	-	-	-	-	-	-	1.1
Calcium	NA	4130	4100	-	-	-	-	-	-	-	1790	2590	-	-	-	-	-	-	-	3130
Chromium	NA	32.6	20.2	-	-	-	-	-	-	-	22.7	47.7	-	-	-	-	-	-	-	76.8
Cobalt	NA	12.2	8.9	-	-	-	-	-	-	-	8.3	15.3	-	-	-	-	-	-	-	24.9
Copper	270	101	73.4	-	-	-	-	-	-	-	61.3	**288**	-	-	-	-	-	-	-	213
Iron	NA	20400	19500	-	-	-	-	-	-	-	19100	22000	-	-	-	-	-	-	-	29400
Lead	1000	156	162	-	-	-	-	-	-	-	223	405	-	-	-	-	-	-	-	874
Magnesium	NA	3270	3380	-	-	-	-	-	-	-	2220	2620	-	-	-	-	-	-	-	2930
Manganese	10000	171	128	-	-	-	-	-	-	-	189	228	-	-	-	-	-	-	-	293
Mercury	2.8	0.026	0.021	-	-	-	-	-	-	-	0.026	0.027	-	-	-	-	-	-	-	0.048
Nickel	310	44.1	33.9	-	-	-	-	-	-	-	25.8	91.4	-	-	-	-	-	-	-	93.8
Potassium	NA	944	824	-	-	-	-	-	-	-	994	1010	-	-	-	-	-	-	-	1100
Selenium	1500	0.53 J	0.52 J	-	-	-	-	-	-	-	0.31 J	1.1 J	-	-	-	-	-	-	-	2.4
Silver	1500	0.28 J	0.25 J	-	-	-	-	-	-	-	0.21 J	0.84	-	-	-	-	-	-	-	0.73
Sodium	NA	122	94.2 J	-	-	-	-	-	-	-	95.1 J	151	-	-	-	-	-	-	-	271
Thallium	NA	0.065 J	0.054 J	-	-	-	-	-	-	-	0.074 J	0.09 J	-	-	-	-	-	-	-	0.096 J
Vanadium	NA	24.2	20.7	-	-	-	-	-	-	-	22.2	23.4	-	-	-	-	-	-	-	25.4
Zinc	10000	286	192	-	-	-	-	-	-	-	170	347	-	-	-	-	-	-	-	672
PCBs (mg/kg)																				
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
Pesticides (mg/kg)																				
4,4'-DDD	92	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
4,4'-DDE	62	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
4,4'-DDT	47	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Aldrin	0.68	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)
Chlordane	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)
Endosulfan I	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Endosulfan II	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Endosulfan sulfate	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Endrin	89	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Endrin aldehyde	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Endrin ketone	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)
Heptachlor	15	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Methoxychlor	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0077)
Toxaphene	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.077)

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10C	10C	10C1	10C1	10C2	10C2	10C2	10C3	10C3	10D	10D	10D1	10D1	10D2	10D2	10D3	10D3	10D3	10E
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10C_0-4	10C_4-8	10C1_0-1	10C1_1-2	10C2_2-3	10C2_5-6	10C2_7-8	10C3_2-3	10C3_6-7	10D_0-6	10D_6-12	10D1_3-4	10D1_7-8	10D2_4-5	10D2_9-10	10D3_0-1	10D3_5-6	10D3_11-12	10E_0-6
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-13	460-323526-14	460-323430-15	460-323430-16	460-323430-17	460-323430-18	460-323430-19	460-323430-20	460-323430-21	460-323526-15	460-323526-16	460-323430-22	460-323430-23	460-323430-24	460-323430-25	460-323430-26	460-323430-27	460-323430-28	460-323526-17
Sample Depth (bgs)		0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	1 - 2 (ft)	2 - 3 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	4 - 5 (ft)	9 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	11 - 12 (ft)	0 - 6 (ft)
PFAS (mg/kg)																				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00343)	ND (0.00334)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.00343)	-	-	-	-	-	-	-	ND (0.00363)
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00343)	ND (0.00334)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.00343)	-	-	-	-	-	-	-	ND (0.00363)
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00069)	ND (0.00067)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.00069)	-	-	-	-	-	-	-	ND (0.00073)
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	0.00014 J	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00229	0.0006	-	-	-	-	-	-	-	0.00043 J	0.00027 J	-	-	-	-	-	-	-	ND (0.00058)
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00137)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00137)	-	-	-	-	-	-	-	ND (0.00145)
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00137)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00137)	-	-	-	-	-	-	-	ND (0.00145)
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00029)
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00029)
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00029)
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00029)
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorobutanoic acid (PFBA)	NA	ND (0.00055)	ND (0.00053)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00058)
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorodecanoic acid (PFDA)	NA	0.00074	0.0003	-	-	-	-	-	-	-	0.00092	0.00043	-	-	-	-	-	-	-	0.00132
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorododecanoic acid (PFDoDA)	NA	0.00061	0.00043	-	-	-	-	-	-	-	0.00051	0.00048	-	-	-	-	-	-	-	0.00037
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluoroheptanoic acid (PFHpA)	NA	0.00014	0.000037 J	-	-	-	-	-	-	-	0.000056 J	0.000056 J	-	-	-	-	-	-	-	0.000083 J
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorohexanoic acid (PFHxA)	NA	0.00015	ND (0.00013)	-	-	-	-	-	-	-	0.000041 J	0.000053 J	-	-	-	-	-	-	-	0.00005 J
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorononanoic acid (PFNA)	NA	0.00099	0.00024	-	-	-	-	-	-	-	0.00059	0.00061	-	-	-	-	-	-	-	0.0023
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000048 J	0.000038 J	-	-	-	-	-	-	-	0.000052 J	0.000062 J	-	-	-	-	-	-	-	0.00013 J
Perfluorooctanoic acid (PFOA)	0.5	0.00016	0.000054 J	-	-	-	-	-	-	-	0.000089 J	0.000086 J	-	-	-	-	-	-	-	0.0002
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)
Perfluoropentanoic acid (PFPeA)	NA	0.00022 J	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	0.000088 J	-	-	-	-	-	-	-	ND (0.00029)
Perfluorotetradecanoic acid (PFTeDA)	NA	0.00018	0.00012 J	-	-	-	-	-	-	-	0.00014	0.00013 J	-	-	-	-	-	-	-	0.00011 J
Perfluorotridecanoic acid (PFTrDA)	NA	0.00363	0.00225	-	-	-	-	-	-	-	0.00482	0.0058	-	-	-	-	-	-	-	0.0056
Perfluoroundecanoic acid (PFUnDA)	NA	0.00207	0.00127	-	-	-	-	-	-	-	0.00364	0.00337	-	-	-	-	-	-	-	0.00438

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level								
Location Name	NY Part 375 Commercial Use Soil Cleanup Objectives	10E	10E1	10E1	10E1	10E2	10E2	10E3	10E3
Sample Name		10E_6-12	10E1_4-5	10E1_9-10	10E1_11-12	10E2_2-3	10E2_7-8	10E3_6-7	10E3_9-10
Sample Date		04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID		460-323526-18	460-323430-29	460-323430-30	460-323430-31	460-323430-32	460-323430-33	460-323430-34	460-323430-35
Sample Depth (bgs)		6 - 12 (ft)	4 - 5 (ft)	9 - 10 (ft)	11 - 12 (ft)	2 - 3 (ft)	7 - 8 (ft)	6 - 7 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)									
1,1,1-Trichloroethane	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,1,2,2-Tetrachloroethane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,1,2-Trichloroethane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,1-Dichloroethane	240	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,1-Dichloroethene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2,3-Trichlorobenzene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2,4-Trichlorobenzene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2,4-Trimethylbenzene	190	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2-Dichlorobenzene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2-Dichloroethane	30	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,2-Dichloropropane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,3,5-Trimethylbenzene	190	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,3-Dichlorobenzene	280	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
1,4-Dichlorobenzene	130	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	500	-	ND (0.0068)	ND (0.0047)	ND (0.0037)	ND (0.005)	ND (0.0046)	ND (0.0042)	ND (0.0054)
2-Hexanone (Methyl Butyl Ketone)	NA	-	ND (0.0068)	ND (0.0047)	ND (0.0037)	ND (0.005)	ND (0.0046)	ND (0.0042)	ND (0.0054)
2-Phenylbutane (sec-Butylbenzene)	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	ND (0.0068)	ND (0.0047)	ND (0.0037)	ND (0.005)	ND (0.0046)	ND (0.0042)	ND (0.0054)
Acetone	500	-	ND (0.0081)	ND (0.0057)	ND (0.0044)	ND (0.006)	ND (0.0055)	ND (0.0051)	ND (0.0065)
Benzene	44	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Bromodichloromethane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Bromoform	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Bromomethane (Methyl Bromide)	NA	-	ND (0.0027)	ND (0.0019)	ND (0.0015)	ND (0.002)	ND (0.0018)	ND (0.0017)	ND (0.0022)
Carbon disulfide	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Carbon tetrachloride	22	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Chlorobenzene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Chlorobromomethane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Chloroethane	NA	-	ND (0.0014) *	ND (0.00095) *	ND (0.00073)	ND (0.001) *	ND (0.00092)	ND (0.00085)	ND (0.0011)
Chloroform (Trichloromethane)	350	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
cis-1,2-Dichloroethene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
cis-1,3-Dichloropropene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Cyclohexane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Dibromochloromethane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Dichlorodifluoromethane (CFC-12)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Ethylbenzene	390	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Isopropylbenzene (Cumene)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
m,p-Xylenes	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Methyl acetate	NA	-	ND (0.0068)	ND (0.0047)	ND (0.0037)	ND (0.005)	ND (0.0046)	ND (0.0042)	ND (0.0054)
Methyl Tert Butyl Ether (MTBE)	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Methylcyclohexane	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Methylene chloride (Dichloromethane)	500	-	ND (0.0027)	ND (0.0019)	ND (0.0015)	ND (0.002)	ND (0.0018)	ND (0.0017)	ND (0.0022)
n-Butylbenzene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
n-Propylbenzene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
o-Xylene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Styrene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
tert-Butylbenzene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Tetrachloroethene	150	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Toluene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
trans-1,2-Dichloroethene	500	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
trans-1,3-Dichloropropene	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Trichloroethene	200	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Trichlorofluoromethane (CFC-11)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Trifluorotrichloroethane (Freon 113)	NA	-	ND (0.0014)	ND (0.00095)	ND (0.00073)	ND (0.001)	ND (0.00092)	ND (0.00085)	ND (0.0011)
Vinyl chloride	13	-	ND (0.0014) *	ND (0.00095) *	ND (0.00073)	ND (0.001) *	ND (0.00092)	ND (0.00085)	ND (0.0011)
Xylene (Total)	500	-	ND (0.0027)	ND (0.0019)	ND (0.0015)	ND (0.002)	ND (0.0018)	ND (0.0017)	ND (0.0022)

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10E	10E1	10E1	10E1	10E2	10E2	10E3	10E3
Sample Name	NY Part 375	10E_6-12	10E1_4-5	10E1_9-10	10E1_11-12	10E2_2-3	10E2_7-8	10E3_6-7	10E3_9-10
Sample Date	Commercial Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-18	460-323430-29	460-323430-30	460-323430-31	460-323430-32	460-323430-33	460-323430-34	460-323430-35
Sample Depth (bgs)	Objectives	6 - 12 (ft)	4 - 5 (ft)	9 - 10 (ft)	11 - 12 (ft)	2 - 3 (ft)	7 - 8 (ft)	6 - 7 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)									
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.076)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.076)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.76)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.012 J	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.014 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.019 J	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.014 J	-	-	-	-	-	-	-
Fluorene	500	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.076)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.02 J	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10E	10E1	10E1	10E1	10E2	10E2	10E3	10E3
Sample Name	NY Part 375	10E_6-12	10E1_4-5	10E1_9-10	10E1_11-12	10E2_2-3	10E2_7-8	10E3_6-7	10E3_9-10
Sample Date	Commercial Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-18	460-323430-29	460-323430-30	460-323430-31	460-323430-32	460-323430-33	460-323430-34	460-323430-35
Sample Depth (bgs)	Objectives	6 - 12 (ft)	4 - 5 (ft)	9 - 10 (ft)	11 - 12 (ft)	2 - 3 (ft)	7 - 8 (ft)	6 - 7 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)									
Aluminum	NA	6030	-	-	-	-	-	-	-
Antimony	NA	1.1	-	-	-	-	-	-	-
Arsenic	16	7.5	-	-	-	-	-	-	-
Barium	400	47.4	-	-	-	-	-	-	-
Beryllium	590	1.8	-	-	-	-	-	-	-
Cadmium	9.3	0.27 J	-	-	-	-	-	-	-
Calcium	NA	1550	-	-	-	-	-	-	-
Chromium	NA	27	-	-	-	-	-	-	-
Cobalt	NA	7.1	-	-	-	-	-	-	-
Copper	270	66.9	-	-	-	-	-	-	-
Iron	NA	19800	-	-	-	-	-	-	-
Lead	1000	276	-	-	-	-	-	-	-
Magnesium	NA	2080	-	-	-	-	-	-	-
Manganese	10000	184	-	-	-	-	-	-	-
Mercury	2.8	0.024	-	-	-	-	-	-	-
Nickel	310	25.6	-	-	-	-	-	-	-
Potassium	NA	924	-	-	-	-	-	-	-
Selenium	1500	0.42 J	-	-	-	-	-	-	-
Silver	1500	0.28 J	-	-	-	-	-	-	-
Sodium	NA	92.2 J	-	-	-	-	-	-	-
Thallium	NA	0.082 J	-	-	-	-	-	-	-
Vanadium	NA	26	-	-	-	-	-	-	-
Zinc	10000	201	-	-	-	-	-	-	-
PCBs (mg/kg)									
Aroclor-1016 (PCB-1016)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)									
4,4'-DDD	92	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.076)	-	-	-	-	-	-	-

TABLE 3
SUMMARY OF SOIL QUALITY DATA - BERM 10
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	10E	10E1	10E1	10E1	10E2	10E2	10E3	10E3
Sample Name	NY Part 375	10E_6-12	10E1_4-5	10E1_9-10	10E1_11-12	10E2_2-3	10E2_7-8	10E3_6-7	10E3_9-10
Sample Date	Commercial Use	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025	04/02/2025
Lab Sample ID	Soil Cleanup	460-323526-18	460-323430-29	460-323430-30	460-323430-31	460-323430-32	460-323430-33	460-323430-34	460-323430-35
Sample Depth (bgs)	Objectives	6 - 12 (ft)	4 - 5 (ft)	9 - 10 (ft)	11 - 12 (ft)	2 - 3 (ft)	7 - 8 (ft)	6 - 7 (ft)	9 - 10 (ft)
PFAS (mg/kg)									
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00347)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00347)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00069)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00056)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00139)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00139)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00015	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00015	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000051 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00013 J	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000038 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.00004 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00133	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00094	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	13A	13A	13A1	13A1	13A2	13A2	13A2	13A3	13A3	13B	13B	13B1	13B1	13B1	13B2	13B2	13B3	13B3
Sample Name	Commercial	13A_0-5	13A_5-10	13A1_2-3	13A1_4-5	13A2_6-7	13A2_8-9	13A2_9-10	13A3_1-2	13A3_6-7	13B_0-5	13B_5-10	13B1_3-4	13B1_7-8	13B1_9-10	13B2_2-3	13B2_5-6	13B3_2-3	13B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-1	460-323525-2	460-323490-1	460-323490-2	460-323490-3	460-323490-4	460-323490-5	460-323490-6	460-323490-7	460-323525-3	460-323525-4	460-323490-8	460-323490-9	460-323490-10	460-323490-11	460-323490-12	460-323490-13	460-323490-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	8 - 9 (ft)	9 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 (ft)	2 - 3 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,1,2-Trichloroethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,1-Dichloroethane	240	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,1-Dichloroethene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2-Dichlorobenzene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2-Dichloroethane	30	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,2-Dichloropropane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,3-Dichlorobenzene	280	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
1,4-Dichlorobenzene	130	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0043)	ND (0.0084)	ND (0.0061)	ND (0.0042)	ND (0.0045)	ND (0.0055)	ND (0.0045)	-	-	ND (0.0047)	ND (0.0042)	ND (0.0095)	ND (0.0047)	ND (0.0048)	ND (0.0045)	ND (0.0038)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0043)	ND (0.0084)	ND (0.0061)	ND (0.0042)	ND (0.0045)	ND (0.0055)	ND (0.0045)	-	-	ND (0.0047)	ND (0.0042)	ND (0.0095)	ND (0.0047)	ND (0.0048)	ND (0.0045)	ND (0.0038)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0043)	ND (0.0084)	ND (0.0061)	ND (0.0042)	ND (0.0045)	ND (0.0055)	ND (0.0045)	-	-	ND (0.0047)	ND (0.0042)	ND (0.0095)	ND (0.0047)	ND (0.0048)	ND (0.0045)	ND (0.0038)
Acetone	500	-	-	ND (0.0052)	ND (0.01)	ND (0.0073)	ND (0.005)	ND (0.0054)	ND (0.0066)	ND (0.0055)	-	-	ND (0.0057)	ND (0.005)	ND (0.011)	ND (0.0056)	ND (0.0058)	ND (0.0054)	ND (0.0046)
Benzene	44	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Bromodichloromethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Bromoform	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0017)	ND (0.0034)	ND (0.0024)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0018)	-	-	ND (0.0019)	ND (0.0017)	ND (0.0038)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)
Carbon disulfide	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Carbon tetrachloride	22	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Chlorobenzene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Chlorobromomethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Chloroethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Chloroform (Trichloromethane)	350	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
cis-1,2-Dichloroethene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Cyclohexane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Dibromochloromethane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Ethylbenzene	390	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
m,p-Xylenes	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Methyl acetate	NA	-	-	ND (0.0043) *	ND (0.0084) *	ND (0.0061) *	ND (0.0042) *	ND (0.0045) *	ND (0.0055) *	ND (0.0045) *	-	-	ND (0.0047) *	ND (0.0042) *	ND (0.0095) *	ND (0.0047) *	ND (0.0048) *	ND (0.0045) *	ND (0.0038) *
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Methylcyclohexane	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0017)	ND (0.0034)	ND (0.0024)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0018)	-	-	ND (0.0019)	ND (0.0017)	ND (0.0038)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)
n-Butylbenzene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
n-Propylbenzene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
o-Xylene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Styrene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
tert-Butylbenzene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Tetrachloroethene	150	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Toluene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
trans-1,2-Dichloroethene	500	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Trichloroethene	200	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Vinyl chloride	13	-	-	ND (0.00086)	ND (0.0017)	ND (0.0012)	ND (0.00083)	ND (0.0009)	ND (0.0011)	ND (0.00091)	-	-	ND (0.00094)	ND (0.00083)	ND (0.0019)	ND (0.00094)	ND (0.00096)	ND (0.0009)	ND (0.00077)
Xylene (Total)	500	-	-	ND (0.0017)	ND (0.0034)	ND (0.0024)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0018)	-	-	ND (0.0019)	ND (0.0017)	ND (0.0038)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	13A	13A	13A1	13A1	13A2	13A2	13A2	13A3	13A3	13B	13B	13B1	13B1	13B1	13B2	13B2	13B3	13B3
Sample Name	Commercial	13A_0-5	13A_5-10	13A1_2-3	13A1_4-5	13A2_6-7	13A2_8-9	13A2_9-10	13A3_1-2	13A3_6-7	13B_0-5	13B_5-10	13B1_3-4	13B1_7-8	13B1_9-10	13B2_2-3	13B2_5-6	13B3_2-3	13B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-1	460-323525-2	460-323490-1	460-323490-2	460-323490-3	460-323490-4	460-323490-5	460-323490-6	460-323490-7	460-323525-3	460-323525-4	460-323490-8	460-323490-9	460-323490-10	460-323490-11	460-323490-12	460-323490-13	460-323490-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	8 - 9 (ft)	9 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 (ft)	2 - 3 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.72)	ND (0.75)	-	-	-	-	-	-	-	ND (0.74)	ND (0.75)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	0.012 J	0.012 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	0.016 J	0.018 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.14) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.015 J	0.016 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.022 J	0.021 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.017 J	0.024 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	0.008 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	0.034 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.017 J	0.017 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.072)	ND (0.075)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	0.016 J	0.015 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.0085 J	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	0.029 J	0.015 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.025 J	0.022 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	13A	13A	13A1	13A1	13A2	13A2	13A2	13A3	13A3	13B	13B	13B1	13B1	13B1	13B2	13B2	13B3	13B3
Sample Name	Commercial	13A_0-5	13A_5-10	13A1_2-3	13A1_4-5	13A2_6-7	13A2_8-9	13A2_9-10	13A3_1-2	13A3_6-7	13B_0-5	13B_5-10	13B1_3-4	13B1_7-8	13B1_9-10	13B2_2-3	13B2_5-6	13B3_2-3	13B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-1	460-323525-2	460-323490-1	460-323490-2	460-323490-3	460-323490-4	460-323490-5	460-323490-6	460-323490-7	460-323525-3	460-323525-4	460-323490-8	460-323490-9	460-323490-10	460-323490-11	460-323490-12	460-323490-13	460-323490-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	8 - 9 (ft)	9 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 (ft)	2 - 3 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	8310	8570	-	-	-	-	-	-	-	7550	7750	-	-	-	-	-	-	-
Antimony	NA	0.87 J	0.56 J	-	-	-	-	-	-	-	0.99 J	0.91 J	-	-	-	-	-	-	-
Arsenic	16	4.9	5.6	-	-	-	-	-	-	-	6.7	6.3	-	-	-	-	-	-	-
Barium	400	80.4	85.4	-	-	-	-	-	-	-	71	78.7	-	-	-	-	-	-	-
Beryllium	590	1.4	1.2	-	-	-	-	-	-	-	1.1	1.3	-	-	-	-	-	-	-
Cadmium	9.3	0.21 J	0.16 J	-	-	-	-	-	-	-	0.37 J	0.27 J	-	-	-	-	-	-	-
Calcium	NA	2260	1710	-	-	-	-	-	-	-	1630	1950	-	-	-	-	-	-	-
Chromium	NA	34.6	30.6	-	-	-	-	-	-	-	28.3	38.6	-	-	-	-	-	-	-
Cobalt	NA	12.7	11	-	-	-	-	-	-	-	10.7	14.3	-	-	-	-	-	-	-
Copper	270	143	97.4	-	-	-	-	-	-	-	85.2	130	-	-	-	-	-	-	-
Iron	NA	22500	22400	-	-	-	-	-	-	-	21900	24600	-	-	-	-	-	-	-
Lead	1000	313	199	-	-	-	-	-	-	-	523	361	-	-	-	-	-	-	-
Magnesium	NA	2140	2140	-	-	-	-	-	-	-	1890	1890	-	-	-	-	-	-	-
Manganese	10000	233	333	-	-	-	-	-	-	-	227	251	-	-	-	-	-	-	-
Mercury	2.8	0.031	0.0087 J	-	-	-	-	-	-	-	0.022	0.016 J	-	-	-	-	-	-	-
Nickel	310	66.7	48.7	-	-	-	-	-	-	-	38.7	62.4	-	-	-	-	-	-	-
Potassium	NA	1220	1180	-	-	-	-	-	-	-	1200	1170	-	-	-	-	-	-	-
Selenium	1500	0.55 J	0.44 J	-	-	-	-	-	-	-	0.4 J	0.61 J	-	-	-	-	-	-	-
Silver	1500	0.28 J	0.14 J	-	-	-	-	-	-	-	0.23 J	0.22 J	-	-	-	-	-	-	-
Sodium	NA	157	147	-	-	-	-	-	-	-	131	130	-	-	-	-	-	-	-
Thallium	NA	0.08 J	0.085 J	-	-	-	-	-	-	-	0.086 J	0.094 J	-	-	-	-	-	-	-
Vanadium	NA	22.1	25.4	-	-	-	-	-	-	-	24.4	24.9	-	-	-	-	-	-	-
Zinc	10000	370	252	-	-	-	-	-	-	-	257	373	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0073)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.073)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	13A	13A	13A1	13A1	13A2	13A2	13A2	13A3	13A3	13B	13B	13B1	13B1	13B1	13B2	13B2	13B3	13B3
Sample Name	Commercial	13A_0-5	13A_5-10	13A1_2-3	13A1_4-5	13A2_6-7	13A2_8-9	13A2_9-10	13A3_1-2	13A3_6-7	13B_0-5	13B_5-10	13B1_3-4	13B1_7-8	13B1_9-10	13B2_2-3	13B2_5-6	13B3_2-3	13B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-1	460-323525-2	460-323490-1	460-323490-2	460-323490-3	460-323490-4	460-323490-5	460-323490-6	460-323490-7	460-323525-3	460-323525-4	460-323490-8	460-323490-9	460-323490-10	460-323490-11	460-323490-12	460-323490-13	460-323490-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	8 - 9 (ft)	9 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	2 - 3 (ft)	5 (ft)	2 - 3 (ft)	7 - 8 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.0034)	ND (0.00349)	-	-	-	-	-	-	-	ND (0.0035)	ND (0.00352)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.0034)	ND (0.00349)	-	-	-	-	-	-	-	ND (0.0035)	ND (0.00352)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00068)	ND (0.0007)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.0007)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	0.00016 J	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	0.00069	0.00023 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00136)	ND (0.0014)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00141)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00136)	ND (0.0014)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00141)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00034	0.00029	-	-	-	-	-	-	-	0.00109	0.00042	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00037	0.00034	-	-	-	-	-	-	-	0.0005	0.00031	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000063 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000063 J	0.000051 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00034	0.00142	-	-	-	-	-	-	-	0.00059	0.00034	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00014	0.00007 J	-	-	-	-	-	-	-	0.00008 J	0.000066 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000084 J	0.000077 J	-	-	-	-	-	-	-	0.00011 J	0.000086 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	0.00013 J	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000078 J	0.000065 J	-	-	-	-	-	-	-	0.000093 J	0.00006 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00194	0.00206	-	-	-	-	-	-	-	0.00107	0.00113	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00138	0.00142	-	-	-	-	-	-	-	0.00144	0.00096	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level									
Location Name	NY Part 375	13C	13C	13C1	13C1	13C2	13C2	13C3	13C3	13C3
Sample Name	Commercial	13C_0-4	13C_4-8	13C1_0-1	13C1_3-4	13C2_3-4	13C2_6-7	13C3_1-2	13C3_4-5	13C3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-5	460-323525-6	460-323490-15	460-323490-16	460-323490-17	460-323490-18	460-323490-19	460-323490-20	460-323490-21
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	3 - 4 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)										
1,1,1-Trichloroethane	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,1,2-Trichloroethane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,1-Dichloroethane	240	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,1-Dichloroethene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00091) *	ND (0.00095) *	ND (0.00087) *	ND (0.00094) *	ND (0.00082) *	ND (0.001) *	ND (0.0011) *
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2-Dichlorobenzene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2-Dichloroethane	30	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,2-Dichloropropane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,3-Dichlorobenzene	280	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
1,4-Dichlorobenzene	130	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0045)	ND (0.0047)	ND (0.0043)	ND (0.0047)	ND (0.0041)	ND (0.0051)	ND (0.0056)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0045)	ND (0.0047)	ND (0.0043)	ND (0.0047)	ND (0.0041)	ND (0.0051)	ND (0.0056)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00091) *	ND (0.00095) *	ND (0.00087) *	ND (0.00094) *	ND (0.00082) *	ND (0.001) *	ND (0.0011) *
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0045)	ND (0.0047)	ND (0.0043)	ND (0.0047)	ND (0.0041)	ND (0.0051)	ND (0.0056)
Acetone	500	-	-	ND (0.0054)	ND (0.0057)	ND (0.0052)	ND (0.0057)	ND (0.0049)	ND (0.0061)	ND (0.0067)
Benzene	44	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Bromodichloromethane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Bromoform	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0018)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0016)	ND (0.002)	ND (0.0022)
Carbon disulfide	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Carbon tetrachloride	22	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Chlorobenzene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Chlorobromomethane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Chloroethane	NA	-	-	ND (0.00091) *	ND (0.00095) *	ND (0.00087) *	ND (0.00094) *	ND (0.00082) *	ND (0.001) *	ND (0.0011) *
Chloroform (Trichloromethane)	350	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
cis-1,2-Dichloroethene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Cyclohexane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Dibromochloromethane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Ethylbenzene	390	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
m,p-Xylenes	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Methyl acetate	NA	-	-	ND (0.0045)	ND (0.0047)	ND (0.0043)	ND (0.0047)	ND (0.0041)	ND (0.0051)	ND (0.0056)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Methylcyclohexane	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0018)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0016)	ND (0.002)	ND (0.0022)
n-Butylbenzene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
n-Propylbenzene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
o-Xylene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Styrene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
tert-Butylbenzene	500	-	-	ND (0.00091) *	ND (0.00095) *	ND (0.00087) *	ND (0.00094) *	ND (0.00082) *	ND (0.001) *	ND (0.0011) *
Tetrachloroethene	150	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Toluene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
trans-1,2-Dichloroethene	500	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Trichloroethene	200	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00091)	ND (0.00095)	ND (0.00087)	ND (0.00094)	ND (0.00082)	ND (0.001)	ND (0.0011)
Vinyl chloride	13	-	-	ND (0.00091) *	ND (0.00095) *	ND (0.00087) *	ND (0.00094) *	ND (0.00082) *	ND (0.001) *	ND (0.0011) *
Xylene (Total)	500	-	-	ND (0.0018)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0016)	ND (0.002)	ND (0.0022)

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level									
Location Name	NY Part 375	13C	13C	13C1	13C1	13C2	13C2	13C3	13C3	13C3
Sample Name	Commercial	13C_0-4	13C_4-8	13C1_0-1	13C1_3-4	13C2_3-4	13C2_6-7	13C3_1-2	13C3_4-5	13C3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-5	460-323525-6	460-323490-15	460-323490-16	460-323490-17	460-323490-18	460-323490-19	460-323490-20	460-323490-21
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	3 - 4 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)										
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.75)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.012 J	0.0098 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	0.093 J	0.018 J	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.018 J	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.016 J	0.012 J	-	-	-	-	-	-	-

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level									
Location Name	NY Part 375	13C	13C	13C1	13C1	13C2	13C2	13C3	13C3	13C3
Sample Name	Commercial	13C_0-4	13C_4-8	13C1_0-1	13C1_3-4	13C2_3-4	13C2_6-7	13C3_1-2	13C3_4-5	13C3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-5	460-323525-6	460-323490-15	460-323490-16	460-323490-17	460-323490-18	460-323490-19	460-323490-20	460-323490-21
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	3 - 4 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)										
Aluminum	NA	7140	7690	-	-	-	-	-	-	-
Antimony	NA	0.85 J	0.75 J	-	-	-	-	-	-	-
Arsenic	16	5.5	4.6	-	-	-	-	-	-	-
Barium	400	61	61.8	-	-	-	-	-	-	-
Beryllium	590	0.83	1.2	-	-	-	-	-	-	-
Cadmium	9.3	0.22 J	0.22 J	-	-	-	-	-	-	-
Calcium	NA	1980	1500	-	-	-	-	-	-	-
Chromium	NA	25.3	31.4	-	-	-	-	-	-	-
Cobalt	NA	7.6	9.1	-	-	-	-	-	-	-
Copper	270	62.2	83.6	-	-	-	-	-	-	-
Iron	NA	18700	18400	-	-	-	-	-	-	-
Lead	1000	415	334	-	-	-	-	-	-	-
Magnesium	NA	1770	1770	-	-	-	-	-	-	-
Manganese	10000	144	198	-	-	-	-	-	-	-
Mercury	2.8	0.0092 J	0.017 J	-	-	-	-	-	-	-
Nickel	310	24	34.2	-	-	-	-	-	-	-
Potassium	NA	1030	1080	-	-	-	-	-	-	-
Selenium	1500	0.35 J	0.3 J	-	-	-	-	-	-	-
Silver	1500	0.18 J	0.22 J	-	-	-	-	-	-	-
Sodium	NA	118	125	-	-	-	-	-	-	-
Thallium	NA	0.073 J	0.083 J	-	-	-	-	-	-	-
Vanadium	NA	21.6	21.7	-	-	-	-	-	-	-
Zinc	10000	172	231	-	-	-	-	-	-	-
PCBs (mg/kg)										
Aroclor-1016 (PCB-1016)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)										
4,4'-DDD	92	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-

TABLE 4
SUMMARY OF SOIL QUALITY DATA - BERM 13
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level									
Location Name	NY Part 375	13C	13C	13C1	13C1	13C2	13C2	13C3	13C3	13C3
Sample Name	Commercial	13C_0-4	13C_4-8	13C1_0-1	13C1_3-4	13C2_3-4	13C2_6-7	13C3_1-2	13C3_4-5	13C3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-5	460-323525-6	460-323490-15	460-323490-16	460-323490-17	460-323490-18	460-323490-19	460-323490-20	460-323490-21
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	0 - 1 (ft)	3 - 4 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)
PFAS (mg/kg)										
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00345)	ND (0.00353)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00345)	ND (0.00353)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00069)	ND (0.00071)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00138)	ND (0.00141)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00138)	ND (0.00141)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00055)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.000096 J	0.000075 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.000088 J	0.00013 J	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00016	0.00011 J	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00009 J	0.000066 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000042 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00014)	0.000043 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00046	0.00059	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00038	0.00046	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14A	14A	14A1	14A1	14A1	14A2	14A2	14A3	14A3	14B	14B	14B1	14B1	14B2	14B2	14B3	14B3	14B3
Sample Name	Commercial	14A_0-5	14A_5-10	14A1_1-2	14A1_3-4	14A1_7-8	14A2_3-4	14A2_7-8	14A3_2-3	14A3_5-6	14B_0-5	14B_5-10	14B1_0-1	14B1_3-4	14B2_2-3	14B2_7-8	14B3_1-2	14B3_5-6	14B3_9-10
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-1	460-323536-2	460-323535-1	460-323535-2	460-323535-3	460-323535-4	460-323535-5	460-323535-6	460-323535-7	460-323536-3	460-323536-4	460-323535-8	460-323535-9	460-323535-10	460-323535-11	460-323535-12	460-323535-13	460-323535-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	2 - 3 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,1,2-Trichloroethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,1-Dichloroethane	240	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,1-Dichloroethene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2,4-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2-Dichlorobenzene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2-Dichloroethane	30	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,2-Dichloropropane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,3,5-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,3-Dichlorobenzene	280	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
1,4-Dichlorobenzene	130	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.005)	ND (0.0046)	ND (0.0053)	ND (0.0053)	ND (0.005)	ND (0.005)	ND (0.0047)	-	-	ND (0.0048)	ND (0.0048)	ND (0.0056)	ND (0.0045)	ND (0.0052)	ND (0.0047)	ND (0.0045)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.005)	ND (0.0046)	ND (0.0053)	ND (0.0053)	ND (0.005)	ND (0.005)	ND (0.0047)	-	-	ND (0.0048)	ND (0.0048)	ND (0.0056)	ND (0.0045)	ND (0.0052)	ND (0.0047)	ND (0.0045)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.005)	ND (0.0046)	ND (0.0053)	ND (0.0053)	ND (0.005)	ND (0.005)	ND (0.0047)	-	-	ND (0.0048)	ND (0.0048)	ND (0.0056)	ND (0.0045)	ND (0.0052)	ND (0.0047)	ND (0.0045)
Acetone	500	-	-	ND (0.006)	ND (0.0055)	ND (0.0063)	ND (0.0064)	ND (0.006)	ND (0.006)	ND (0.0056)	-	-	ND (0.0057)	ND (0.0058)	ND (0.0068)	ND (0.0054)	ND (0.0063)	ND (0.0057)	ND (0.0054)
Benzene	44	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Bromodichloromethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Bromoform	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002)	ND (0.0018)	ND (0.0021)	ND (0.0021)	ND (0.002)	ND (0.002)	ND (0.0019)	-	-	ND (0.0019)	ND (0.0019)	ND (0.0023)	ND (0.0018)	ND (0.0021)	ND (0.0019)	ND (0.0018)
Carbon disulfide	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Carbon tetrachloride	22	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Chlorobenzene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Chlorobromomethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Chloroethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Chloroform (Trichloromethane)	350	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
cis-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
cis-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Cyclohexane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Dibromochloromethane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Ethylbenzene	390	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
m,p-Xylenes	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Methyl acetate	NA	-	-	ND (0.005)	ND (0.0046)	ND (0.0053)	ND (0.0053)	ND (0.005)	ND (0.005)	ND (0.0047)	-	-	ND (0.0048)	ND (0.0048)	ND (0.0056)	ND (0.0045)	ND (0.0052)	ND (0.0047)	ND (0.0045)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Methylcyclohexane	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.002)	0.0013 J	ND (0.0021)	ND (0.0021)	ND (0.002)	0.0013 J	0.0016 J	-	-	0.0017 J	0.0025	0.0014 J	0.0018	0.002 J	0.0016 J	ND (0.0018)
n-Butylbenzene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
n-Propylbenzene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
o-Xylene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Styrene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
tert-Butylbenzene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Tetrachloroethene	150	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Toluene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
trans-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
trans-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Trichloroethene	200	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Vinyl chloride	13	-	-	ND (0.001)	ND (0.00091)	ND (0.0011)	ND (0.0011)	ND (0.001)	ND (0.001)	ND (0.00094)	-	-	ND (0.00095)	ND (0.00096)	ND (0.0011)	ND (0.0009)	ND (0.001)	ND (0.00094)	ND (0.0009)
Xylene (Total)	500	-	-	ND (0.002)	ND (0.0018)	ND (0.0021)	ND (0.0021)	ND (0.002)	ND (0.002)	ND (0.0019)	-	-	ND (0.0019)	ND (0.0019)	ND (0.0023)	ND (0.0018)	ND (0.0021)	ND (0.0019)	ND (0.0018)

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14A	14A	14A1	14A1	14A1	14A2	14A2	14A3	14A3	14B	14B	14B1	14B1	14B2	14B2	14B3	14B3	14B3
Sample Name	Commercial	14A_0-5	14A_5-10	14A1_1-2	14A1_3-4	14A1_7-8	14A2_3-4	14A2_7-8	14A3_2-3	14A3_5-6	14B_0-5	14B_5-10	14B1_0-1	14B1_3-4	14B2_2-3	14B2_7-8	14B3_1-2	14B3_5-6	14B3_9-10
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-1	460-323536-2	460-323535-1	460-323535-2	460-323535-3	460-323535-4	460-323535-5	460-323535-6	460-323535-7	460-323536-3	460-323536-4	460-323535-8	460-323535-9	460-323535-10	460-323535-11	460-323535-12	460-323535-13	460-323535-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	2 - 3 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	0.075 J	-	-	-	-	-	-	-	0.013 J	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.77)	-	-	-	-	-	-	-	ND (0.78)	ND (0.76)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.036)	0.0098 J	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.36) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	0.0075 J	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	0.013 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	0.015 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.038)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	0.035 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	ND (0.36)	0.013 J	-	-	-	-	-	-	-	ND (0.38)	ND (0.37)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14A	14A	14A1	14A1	14A1	14A2	14A2	14A3	14A3	14B	14B	14B1	14B1	14B2	14B2	14B3	14B3	14B3
Sample Name	Commercial	14A_0-5	14A_5-10	14A1_1-2	14A1_3-4	14A1_7-8	14A2_3-4	14A2_7-8	14A3_2-3	14A3_5-6	14B_0-5	14B_5-10	14B1_0-1	14B1_3-4	14B2_2-3	14B2_7-8	14B3_1-2	14B3_5-6	14B3_9-10
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-1	460-323536-2	460-323535-1	460-323535-2	460-323535-3	460-323535-4	460-323535-5	460-323535-6	460-323535-7	460-323536-3	460-323536-4	460-323535-8	460-323535-9	460-323535-10	460-323535-11	460-323535-12	460-323535-13	460-323535-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	2 - 3 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7450	5310	-	-	-	-	-	-	-	5610	4630	-	-	-	-	-	-	-
Antimony	NA	1.9	2.1	-	-	-	-	-	-	-	1.1	1.3	-	-	-	-	-	-	-
Arsenic	16	9.9	9.7	-	-	-	-	-	-	-	7.8	7	-	-	-	-	-	-	-
Barium	400	61.3	33.5	-	-	-	-	-	-	-	39.2	31.4	-	-	-	-	-	-	-
Beryllium	590	0.8	0.43	-	-	-	-	-	-	-	0.75	0.53	-	-	-	-	-	-	-
Cadmium	9.3	0.4 J	0.32 J	-	-	-	-	-	-	-	0.25 J	0.26 J	-	-	-	-	-	-	-
Calcium	NA	6110	7900	-	-	-	-	-	-	-	4430	3710	-	-	-	-	-	-	-
Chromium	NA	23	13.1	-	-	-	-	-	-	-	21.2	13.5	-	-	-	-	-	-	-
Cobalt	NA	7.3	3.4	-	-	-	-	-	-	-	6.9	3.7	-	-	-	-	-	-	-
Copper	270	78.3	45.9	-	-	-	-	-	-	-	63	43.6	-	-	-	-	-	-	-
Iron	NA	19300	15400	-	-	-	-	-	-	-	17400	13500	-	-	-	-	-	-	-
Lead	1000	207	89	-	-	-	-	-	-	-	314	88.7	-	-	-	-	-	-	-
Magnesium	NA	4270	5080	-	-	-	-	-	-	-	3160	2600	-	-	-	-	-	-	-
Manganese	10000	110	87.1	-	-	-	-	-	-	-	90.1	71	-	-	-	-	-	-	-
Mercury	2.8	0.038	0.035	-	-	-	-	-	-	-	0.029	0.03	-	-	-	-	-	-	-
Nickel	310	26.5	8.8	-	-	-	-	-	-	-	25.3	12.8	-	-	-	-	-	-	-
Potassium	NA	1230	938	-	-	-	-	-	-	-	1190	821	-	-	-	-	-	-	-
Selenium	1500	0.35 J	0.19 J	-	-	-	-	-	-	-	0.27 J	0.19 J	-	-	-	-	-	-	-
Silver	1500	0.38 J	0.34 J	-	-	-	-	-	-	-	0.24 J	0.23 J	-	-	-	-	-	-	-
Sodium	NA	105 J	ND (108)	-	-	-	-	-	-	-	56.2 J	ND (107)	-	-	-	-	-	-	-
Thallium	NA	0.083 J	0.059 J	-	-	-	-	-	-	-	0.056 J	ND (0.43)	-	-	-	-	-	-	-
Vanadium	NA	25.6	21.7	-	-	-	-	-	-	-	20.8	18.5	-	-	-	-	-	-	-
Zinc	10000	364	92.9	-	-	-	-	-	-	-	171	123	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0078)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14A	14A	14A1	14A1	14A1	14A2	14A2	14A3	14A3	14B	14B	14B1	14B1	14B2	14B2	14B3	14B3	14B3
Sample Name	Commercial	14A_0-5	14A_5-10	14A1_1-2	14A1_3-4	14A1_7-8	14A2_3-4	14A2_7-8	14A3_2-3	14A3_5-6	14B_0-5	14B_5-10	14B1_0-1	14B1_3-4	14B2_2-3	14B2_7-8	14B3_1-2	14B3_5-6	14B3_9-10
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-1	460-323536-2	460-323535-1	460-323535-2	460-323535-3	460-323535-4	460-323535-5	460-323535-6	460-323535-7	460-323536-3	460-323536-4	460-323535-8	460-323535-9	460-323535-10	460-323535-11	460-323535-12	460-323535-13	460-323535-14
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	3 - 4 (ft)	2 - 3 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00341)	ND (0.00361)	-	-	-	-	-	-	-	ND (0.00367)	ND (0.00348)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00341)	ND (0.00361)	-	-	-	-	-	-	-	ND (0.00367)	ND (0.00348)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00068)	ND (0.00072)	-	-	-	-	-	-	-	ND (0.00073)	ND (0.0007)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00023 J	ND (0.00058)	-	-	-	-	-	-	-	0.00019 J	0.00017 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00136)	ND (0.00144)	-	-	-	-	-	-	-	ND (0.00147)	ND (0.00139)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00136)	ND (0.00144)	-	-	-	-	-	-	-	ND (0.00147)	ND (0.00139)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00055)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00059)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00086	0.00056	-	-	-	-	-	-	-	0.00081	0.00044	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00063	0.00024	-	-	-	-	-	-	-	0.00035	0.00027	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000045 J	ND (0.00014)	-	-	-	-	-	-	-	0.000046 J	0.000036 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.00004 J	ND (0.00014)	-	-	-	-	-	-	-	0.000053 J	0.000036 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00057	0.0003	-	-	-	-	-	-	-	0.00141	0.00037	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00011 J	0.000053 J	-	-	-	-	-	-	-	0.000095 J	0.000075 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00013 J	0.000057 J	-	-	-	-	-	-	-	0.00013 J	0.00008 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.000081 J	ND (0.00029)	-	-	-	-	-	-	-	0.000096 J	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.00015	ND (0.00014)	-	-	-	-	-	-	-	0.00009 J	0.00007 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.0077	0.00219	-	-	-	-	-	-	-	0.00427	0.00307	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00626	0.00504	-	-	-	-	-	-	-	0.00489	0.00299	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14C	14C	14C1	14C1	14C1	14C2	14C2	14C3	14C3	14D	14D	14D1	14D1	14D1	14D2	14D2	14D3	14D3
Sample Name	Commercial	14C_0-6	14C_6-12	14C1_2-3	14C1_9-10	14C1_10-11	14C2_1-2	14C2_11-12	14C3_3-4	14C3_7-8	14D_0-9	14D_9-8	14D1_0-1	14D1_6-7	14D1_11-12	14D2_4-5	14D2_15-16	14D3_13-14	14D3_17-18
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-5	460-323536-6	460-323535-15	460-323535-17	460-323535-16	460-323535-18	460-323535-19	460-323535-20	460-323535-21	460-323536-7	460-323536-8	460-323535-22	460-323535-23	460-323535-24	460-323535-25	460-323535-26	460-323535-27	460-323535-28
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	9 - 10 (ft)	10 - 11 (ft)	1 - 2 (ft)	11 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 9 (ft)	9 - 8 (ft)	0 - 1 (ft)	6 - 7 (ft)	11 - 12 (ft)	4 - 5 (ft)	15 - 16 (ft)	13 - 14 (ft)	17 - 18 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,1,2-Trichloroethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,1-Dichloroethane	240	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,1-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2,4-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2-Dichlorobenzene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2-Dichloroethane	30	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,2-Dichloropropane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,3,5-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,3-Dichlorobenzene	280	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
1,4-Dichlorobenzene	130	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0053)	ND (0.0044)	ND (0.0063)	ND (0.005)	ND (0.0056)	ND (0.0048)	ND (0.0062)	-	-	ND (0.0072)	ND (0.0051)	ND (0.0039)	ND (0.0043)	ND (0.0052)	ND (0.0047)	ND (0.0043)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0053)	ND (0.0044)	ND (0.0063)	ND (0.005)	ND (0.0056)	ND (0.0048)	ND (0.0062)	-	-	ND (0.0072)	ND (0.0051)	ND (0.0039)	ND (0.0043)	ND (0.0052)	ND (0.0047)	ND (0.0043)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0053)	ND (0.0044)	ND (0.0063)	ND (0.005)	ND (0.0056)	ND (0.0048)	ND (0.0062)	-	-	ND (0.0072)	ND (0.0051)	ND (0.0039)	ND (0.0043)	ND (0.0052)	ND (0.0047)	ND (0.0043)
Acetone	500	-	-	ND (0.0063)	ND (0.0053)	ND (0.0076)	ND (0.006)	ND (0.0067)	ND (0.0058)	ND (0.0074)	-	-	ND (0.0086)	ND (0.0062)	ND (0.0046)	ND (0.0052)	ND (0.0062)	ND (0.0056)	ND (0.0052)
Benzene	44	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Bromodichloromethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Bromoform	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0021)	ND (0.0018)	ND (0.0025)	ND (0.002)	ND (0.0022)	ND (0.0019)	ND (0.0025)	-	-	ND (0.0029)	ND (0.0021)	ND (0.0015)	ND (0.0017)	ND (0.0021)	ND (0.0019)	ND (0.0017)
Carbon disulfide	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Carbon tetrachloride	22	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Chlorobenzene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Chlorobromomethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Chloroethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Chloroform (Trichloromethane)	350	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
cis-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
cis-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Cyclohexane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Dibromochloromethane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Ethylbenzene	390	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
m,p-Xylenes	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Methyl acetate	NA	-	-	ND (0.0053)	ND (0.0044)	ND (0.0063)	ND (0.005)	ND (0.0056)	ND (0.0048)	ND (0.0062)	-	-	ND (0.0072)	ND (0.0051) *	ND (0.0039)	ND (0.0043)	ND (0.0052)	ND (0.0047)	ND (0.0043)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Methylcyclohexane	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Methylene chloride (Dichloromethane)	500	-	-	0.0022	ND (0.0018)	0.0024 J	0.0017 J	ND (0.0022)	0.002	0.0014 J	-	-	0.002 J	0.0018 J	ND (0.0015)	ND (0.0017)	ND (0.0021)	0.0018 J	ND (0.0017)
n-Butylbenzene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
n-Propylbenzene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
o-Xylene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Styrene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
tert-Butylbenzene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Tetrachloroethene	150	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Toluene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
trans-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
trans-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Trichloroethene	200	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Vinyl chloride	13	-	-	ND (0.0011)	ND (0.00088)	ND (0.0013)	ND (0.001)	ND (0.0011)	ND (0.00097)	ND (0.0012)	-	-	ND (0.0014)	ND (0.001)	ND (0.00077)	ND (0.00086)	ND (0.001)	ND (0.00094)	ND (0.00086)
Xylene (Total)	500	-	-	ND (0.0021)	ND (0.0018)	ND (0.0025)	ND (0.002)	ND (0.0022)	ND (0.0019)	ND (0.0025)	-	-	ND (0.0029)	ND (0.0021)	ND (0.0015)	ND (0.0017)	ND (0.0021)	ND (0.0019)	ND (0.0017)

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14C	14C	14C1	14C1	14C1	14C2	14C2	14C3	14C3	14D	14D	14D1	14D1	14D1	14D2	14D2	14D3	14D3
Sample Name	Commercial	14C_0-6	14C_6-12	14C1_2-3	14C1_9-10	14C1_10-11	14C2_1-2	14C2_11-12	14C3_3-4	14C3_7-8	14D_0-9	14D_9-8	14D1_0-1	14D1_6-7	14D1_11-12	14D2_4-5	14D2_15-16	14D3_13-14	14D3_17-18
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-5	460-323536-6	460-323535-15	460-323535-17	460-323535-16	460-323535-18	460-323535-19	460-323535-20	460-323535-21	460-323536-7	460-323536-8	460-323535-22	460-323535-23	460-323535-24	460-323535-25	460-323535-26	460-323535-27	460-323535-28
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	9 - 10 (ft)	10 - 11 (ft)	1 - 2 (ft)	11 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 9 (ft)	9 - 8 (ft)	0 - 1 (ft)	6 - 7 (ft)	11 - 12 (ft)	4 - 5 (ft)	15 - 16 (ft)	13 - 14 (ft)	17 - 18 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.72)	ND (0.73)	-	-	-	-	-	-	-	ND (0.71)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	0.012 J	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.14) *	ND (0.14) *	-	-	-	-	-	-	-	ND (0.14) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-	ND (0.35) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-	ND (0.35) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-	ND (0.35) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	0.11 J	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14C	14C	14C1	14C1	14C1	14C2	14C2	14C3	14C3	14D	14D	14D1	14D1	14D1	14D2	14D2	14D3	14D3
Sample Name	Commercial	14C_0-6	14C_6-12	14C1_2-3	14C1_9-10	14C1_10-11	14C2_1-2	14C2_11-12	14C3_3-4	14C3_7-8	14D_0-9	14D_9-8	14D1_0-1	14D1_6-7	14D1_11-12	14D2_4-5	14D2_15-16	14D3_13-14	14D3_17-18
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-5	460-323536-6	460-323535-15	460-323535-17	460-323535-16	460-323535-18	460-323535-19	460-323535-20	460-323535-21	460-323536-7	460-323536-8	460-323535-22	460-323535-23	460-323535-24	460-323535-25	460-323535-26	460-323535-27	460-323535-28
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	9 - 10 (ft)	10 - 11 (ft)	1 - 2 (ft)	11 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 9 (ft)	9 - 8 (ft)	0 - 1 (ft)	6 - 7 (ft)	11 - 12 (ft)	4 - 5 (ft)	15 - 16 (ft)	13 - 14 (ft)	17 - 18 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	4320	4600	-	-	-	-	-	-	-	5120	5780	-	-	-	-	-	-	-
Antimony	NA	0.66 J	0.94 J	-	-	-	-	-	-	-	1	1.1	-	-	-	-	-	-	-
Arsenic	16	5.8	5.9	-	-	-	-	-	-	-	7.5	7.9	-	-	-	-	-	-	-
Barium	400	22.2	31.8	-	-	-	-	-	-	-	28.9	37	-	-	-	-	-	-	-
Beryllium	590	0.5	0.58	-	-	-	-	-	-	-	0.61	0.54	-	-	-	-	-	-	-
Cadmium	9.3	0.16 J	0.19 J	-	-	-	-	-	-	-	0.21 J	0.24 J	-	-	-	-	-	-	-
Calcium	NA	545	11800	-	-	-	-	-	-	-	4540	1080	-	-	-	-	-	-	-
Chromium	NA	14	14.6	-	-	-	-	-	-	-	16.3	19.2	-	-	-	-	-	-	-
Cobalt	NA	3.1	3.8	-	-	-	-	-	-	-	6.3	4.9	-	-	-	-	-	-	-
Copper	270	28.4	48.3	-	-	-	-	-	-	-	53	43.4	-	-	-	-	-	-	-
Iron	NA	15100	14300	-	-	-	-	-	-	-	18200	21500	-	-	-	-	-	-	-
Lead	1000	29	72.6	-	-	-	-	-	-	-	363	138	-	-	-	-	-	-	-
Magnesium	NA	1050	7430	-	-	-	-	-	-	-	3500	1680	-	-	-	-	-	-	-
Manganese	10000	64.7	66.6	-	-	-	-	-	-	-	120	156	-	-	-	-	-	-	-
Mercury	2.8	0.011 J	0.023	-	-	-	-	-	-	-	0.014 J	0.022	-	-	-	-	-	-	-
Nickel	310	8.3	18.5	-	-	-	-	-	-	-	21.4	14.5	-	-	-	-	-	-	-
Potassium	NA	881	968	-	-	-	-	-	-	-	1240	1180	-	-	-	-	-	-	-
Selenium	1500	0.22 J	0.29 J	-	-	-	-	-	-	-	0.31 J	0.25 J	-	-	-	-	-	-	-
Silver	1500	0.16 J	0.18 J	-	-	-	-	-	-	-	0.21 J	0.14 J	-	-	-	-	-	-	-
Sodium	NA	ND (96.5)	51.6 J	-	-	-	-	-	-	-	53.1 J	77 J	-	-	-	-	-	-	-
Thallium	NA	ND (0.39)	ND (0.4)	-	-	-	-	-	-	-	0.043 J	0.065 J	-	-	-	-	-	-	-
Vanadium	NA	18.8	18.7	-	-	-	-	-	-	-	21.4	21	-	-	-	-	-	-	-
Zinc	10000	60.3	111	-	-	-	-	-	-	-	143	104	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0072)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14C	14C	14C1	14C1	14C1	14C2	14C2	14C3	14C3	14D	14D	14D1	14D1	14D1	14D2	14D2	14D3	14D3
Sample Name	Commercial	14C_0-6	14C_6-12	14C1_2-3	14C1_9-10	14C1_10-11	14C2_1-2	14C2_11-12	14C3_3-4	14C3_7-8	14D_0-9	14D_9-8	14D1_0-1	14D1_6-7	14D1_11-12	14D2_4-5	14D2_15-16	14D3_13-14	14D3_17-18
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-5	460-323536-6	460-323535-15	460-323535-17	460-323535-16	460-323535-18	460-323535-19	460-323535-20	460-323535-21	460-323536-7	460-323536-8	460-323535-22	460-323535-23	460-323535-24	460-323535-25	460-323535-26	460-323535-27	460-323535-28
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	2 - 3 (ft)	9 - 10 (ft)	10 - 11 (ft)	1 - 2 (ft)	11 - 12 (ft)	3 - 4 (ft)	7 - 8 (ft)	0 - 9 (ft)	9 - 8 (ft)	0 - 1 (ft)	6 - 7 (ft)	11 - 12 (ft)	4 - 5 (ft)	15 - 16 (ft)	13 - 14 (ft)	17 - 18 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00333)	ND (0.00339)	-	-	-	-	-	-	-	ND (0.00329)	ND (0.00345)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00333)	ND (0.00339)	-	-	-	-	-	-	-	ND (0.00329)	ND (0.00345)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00067)	ND (0.00068)	-	-	-	-	-	-	-	ND (0.00066)	ND (0.00069)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	0.00122	0.00049 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00133)	ND (0.00135)	-	-	-	-	-	-	-	ND (0.00132)	ND (0.00138)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00133)	ND (0.00135)	-	-	-	-	-	-	-	ND (0.00132)	ND (0.00138)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00053)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.0009	0.00114	-	-	-	-	-	-	-	0.00082	0.00025	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00008 J	0.00019	-	-	-	-	-	-	-	0.00038	0.00027	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00005 J	0.000048 J	-	-	-	-	-	-	-	0.000084 J	0.000035 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000057 J	0.000062 J	-	-	-	-	-	-	-	0.000037 J	0.000038 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.0003	0.00037	-	-	-	-	-	-	-	0.00075	0.00025	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000046 J	0.000067 J	-	-	-	-	-	-	-	0.000066 J	0.000036 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000083 J	0.000093 J	-	-	-	-	-	-	-	0.00016	0.000055 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00013)	0.000041 J	-	-	-	-	-	-	-	0.000076 J	0.000061 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00081	0.00232	-	-	-	-	-	-	-	0.00134	0.00121	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00176	0.00352	-	-	-	-	-	-	-	0.00193	0.00086	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14E	14E	14E1	14E1	14E1	14E2	14E2	14E3	14E3	14F	14F	14F1	14F1	14F2	14F2	14F2	14F3	14F3
Sample Name	Commercial	14E_0-9	14E_9-18	14E1_5-6	14E1_12-13	14E1_16-17	14E2_3-4	14E2_9-10	14E3_12-13	14E3_15-16	14F_0-5	14F_5-10	14F1_3-4	14F1_7-8	14F2_1-2	14F2_5-6	14F2_9-10	14F3_2-3	14F3_6-7
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-9	460-323536-10	460-323535-29	460-323535-30	460-323535-31	460-323535-32	460-323535-33	460-323535-34	460-323535-35	460-323536-11	460-323536-12	460-323535-36	460-323535-37	460-323535-38	460-323535-39	460-323535-40	460-323535-41	460-323535-42
Sample Depth (bgs)	Objectives	0 - 9 (ft)	9 - 18 (ft)	5 - 6 (ft)	12 - 13 (ft)	16 - 17 (ft)	3 - 4 (ft)	9 - 10 (ft)	12 - 13 (ft)	15 - 16 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,1,2-Trichloroethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,1-Dichloroethane	240	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,1-Dichloroethene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2-Dichlorobenzene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2-Dichloroethane	30	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,2-Dichloropropane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,3-Dichlorobenzene	280	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
1,4-Dichlorobenzene	130	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.005)	ND (0.0045)	ND (0.005)	ND (0.0048)	ND (0.0049)	ND (0.0047)	ND (0.0047)	-	-	ND (0.0037)	ND (0.0051)	ND (0.0046)	ND (0.0048)	ND (0.0048)	ND (0.0045)	ND (0.0037)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.005)	ND (0.0045)	ND (0.005)	ND (0.0048)	ND (0.0049)	ND (0.0047)	ND (0.0047)	-	-	ND (0.0037)	ND (0.0051)	ND (0.0046)	ND (0.0048)	ND (0.0048)	ND (0.0045)	ND (0.0037)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.005)	ND (0.0045)	ND (0.005)	ND (0.0048)	ND (0.0049)	ND (0.0047)	ND (0.0047)	-	-	ND (0.0037)	ND (0.0051)	ND (0.0046)	ND (0.0048)	ND (0.0048)	ND (0.0045)	ND (0.0037)
Acetone	500	-	-	ND (0.006)	ND (0.0054)	ND (0.0061)	ND (0.0057)	ND (0.0058)	ND (0.0056)	ND (0.0057)	-	-	ND (0.0044)	ND (0.0062)	ND (0.0056)	ND (0.0057)	0.016	ND (0.0054)	ND (0.0044)
Benzene	44	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Bromodichloromethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Bromoform	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0019)	-	-	ND (0.0015)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)
Carbon disulfide	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Carbon tetrachloride	22	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Chlorobenzene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Chlorobromomethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Chloroethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Chloroform (Trichloromethane)	350	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
cis-1,2-Dichloroethene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Cyclohexane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	0.00088 J	ND (0.00095)	ND (0.0009)	ND (0.00074)
Dibromochloromethane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Ethylbenzene	390	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
m,p-Xylenes	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Methyl acetate	NA	-	-	ND (0.005)	ND (0.0045)	ND (0.005)	ND (0.0048)	ND (0.0049) *	ND (0.0047)	ND (0.0047) *	-	-	ND (0.0037)	ND (0.0051)	ND (0.0046)	ND (0.0048)	ND (0.0048)	ND (0.0045)	ND (0.0037)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Methylcyclohexane	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.002)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0019)	-	-	ND (0.0015)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)
n-Butylbenzene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
n-Propylbenzene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
o-Xylene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Styrene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
tert-Butylbenzene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Tetrachloroethene	150	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Toluene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
trans-1,2-Dichloroethene	500	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Trichloroethene	200	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Vinyl chloride	13	-	-	ND (0.00099)	ND (0.0009)	ND (0.001)	ND (0.00095)	ND (0.00097)	ND (0.00094)	ND (0.00094)	-	-	ND (0.00073)	ND (0.001)	ND (0.00093)	ND (0.00095)	ND (0.00095)	ND (0.0009)	ND (0.00074)
Xylene (Total)	500	-	-	ND (0.002)	ND (0.0018)	ND (0.002)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0019)	-	-	ND (0.0015)	ND (0.0021)	ND (0.0019)	ND (0.0019)	ND (0.0019)	ND (0.0018)	ND (0.0015)

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14E	14E	14E1	14E1	14E1	14E2	14E2	14E3	14E3	14F	14F	14F1	14F1	14F2	14F2	14F2	14F3	14F3
Sample Name	Commercial	14E_0-9	14E_9-18	14E1_5-6	14E1_12-13	14E1_16-17	14E2_3-4	14E2_9-10	14E3_12-13	14E3_15-16	14F_0-5	14F_5-10	14F1_3-4	14F1_7-8	14F2_1-2	14F2_5-6	14F2_9-10	14F3_2-3	14F3_6-7
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-9	460-323536-10	460-323535-29	460-323535-30	460-323535-31	460-323535-32	460-323535-33	460-323535-34	460-323535-35	460-323536-11	460-323536-12	460-323535-36	460-323535-37	460-323535-38	460-323535-39	460-323535-40	460-323535-41	460-323535-42
Sample Depth (bgs)	Objectives	0 - 9 (ft)	9 - 18 (ft)	5 - 6 (ft)	12 - 13 (ft)	16 - 17 (ft)	3 - 4 (ft)	9 - 10 (ft)	12 - 13 (ft)	15 - 16 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.073)	ND (0.073)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.073)	ND (0.073)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.73)	ND (0.73)	-	-	-	-	-	-	-	ND (0.74)	ND (0.76)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.073)	ND (0.073)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Pyrene	500	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14E	14E	14E1	14E1	14E1	14E2	14E2	14E3	14E3	14F	14F	14F1	14F1	14F2	14F2	14F2	14F3	14F3
Sample Name	Commercial	14E_0-9	14E_9-18	14E1_5-6	14E1_12-13	14E1_16-17	14E2_3-4	14E2_9-10	14E3_12-13	14E3_15-16	14F_0-5	14F_5-10	14F1_3-4	14F1_7-8	14F2_1-2	14F2_5-6	14F2_9-10	14F3_2-3	14F3_6-7
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-9	460-323536-10	460-323535-29	460-323535-30	460-323535-31	460-323535-32	460-323535-33	460-323535-34	460-323535-35	460-323536-11	460-323536-12	460-323535-36	460-323535-37	460-323535-38	460-323535-39	460-323535-40	460-323535-41	460-323535-42
Sample Depth (bgs)	Objectives	0 - 9 (ft)	9 - 18 (ft)	5 - 6 (ft)	12 - 13 (ft)	16 - 17 (ft)	3 - 4 (ft)	9 - 10 (ft)	12 - 13 (ft)	15 - 16 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7180	8860	-	-	-	-	-	-	-	7310	7010	-	-	-	-	-	-	-
Antimony	NA	0.68 J	2.9	-	-	-	-	-	-	-	0.91 J	0.59 J	-	-	-	-	-	-	-
Arsenic	16	5.8	8.8	-	-	-	-	-	-	-	6.7	4.8	-	-	-	-	-	-	-
Barium	400	49.3	83.5	-	-	-	-	-	-	-	50.8	34.7	-	-	-	-	-	-	-
Beryllium	590	0.75	0.87	-	-	-	-	-	-	-	0.69	0.52	-	-	-	-	-	-	-
Cadmium	9.3	0.21 J	0.43 J	-	-	-	-	-	-	-	0.26 J	0.13 J	-	-	-	-	-	-	-
Calcium	NA	1990	10100	-	-	-	-	-	-	-	1130	916	-	-	-	-	-	-	-
Chromium	NA	20.1	30.5	-	-	-	-	-	-	-	21.6	16.6	-	-	-	-	-	-	-
Cobalt	NA	7.7	8	-	-	-	-	-	-	-	8.3	5.2	-	-	-	-	-	-	-
Copper	270	48.5	214	-	-	-	-	-	-	-	46.9	29.1	-	-	-	-	-	-	-
Iron	NA	19000	20700	-	-	-	-	-	-	-	18900	16500	-	-	-	-	-	-	-
Lead	1000	111	181	-	-	-	-	-	-	-	159	35.1	-	-	-	-	-	-	-
Magnesium	NA	2800	2430	-	-	-	-	-	-	-	2360	1720	-	-	-	-	-	-	-
Manganese	10000	284	1030	-	-	-	-	-	-	-	258	137	-	-	-	-	-	-	-
Mercury	2.8	0.018	0.022	-	-	-	-	-	-	-	0.03	0.022	-	-	-	-	-	-	-
Nickel	310	23.9	49.1	-	-	-	-	-	-	-	21.8	11.8	-	-	-	-	-	-	-
Potassium	NA	1270	2550	-	-	-	-	-	-	-	1200	949	-	-	-	-	-	-	-
Selenium	1500	0.29 J	0.62 J	-	-	-	-	-	-	-	0.4 J	0.28 J	-	-	-	-	-	-	-
Silver	1500	0.15 J	0.56	-	-	-	-	-	-	-	0.21 J	0.13 J	-	-	-	-	-	-	-
Sodium	NA	68.9 J	356	-	-	-	-	-	-	-	70.8 J	ND (110)	-	-	-	-	-	-	-
Thallium	NA	0.086 J	0.061 J	-	-	-	-	-	-	-	0.096 J	0.11 J	-	-	-	-	-	-	-
Vanadium	NA	22.9	26.9	-	-	-	-	-	-	-	23.2	26.4	-	-	-	-	-	-	-
Zinc	10000	125	197	-	-	-	-	-	-	-	132	56	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0073)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0077)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.073)	-	-	-	-	-	-	-	ND (0.075)	ND (0.077)	-	-	-	-	-	-	-

TABLE 5
SUMMARY OF SOIL QUALITY DATA - BERM 14
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	14E	14E	14E1	14E1	14E1	14E2	14E2	14E3	14E3	14F	14F	14F1	14F1	14F2	14F2	14F2	14F3	14F3
Sample Name	Commercial	14E_0-9	14E_9-18	14E1_5-6	14E1_12-13	14E1_16-17	14E2_3-4	14E2_9-10	14E3_12-13	14E3_15-16	14F_0-5	14F_5-10	14F1_3-4	14F1_7-8	14F2_1-2	14F2_5-6	14F2_9-10	14F3_2-3	14F3_6-7
Sample Date	Use	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025	04/04/2025
Lab Sample ID	Soil Cleanup	460-323536-9	460-323536-10	460-323535-29	460-323535-30	460-323535-31	460-323535-32	460-323535-33	460-323535-34	460-323535-35	460-323536-11	460-323536-12	460-323535-36	460-323535-37	460-323535-38	460-323535-39	460-323535-40	460-323535-41	460-323535-42
Sample Depth (bgs)	Objectives	0 - 9 (ft)	9 - 18 (ft)	5 - 6 (ft)	12 - 13 (ft)	16 - 17 (ft)	3 - 4 (ft)	9 - 10 (ft)	12 - 13 (ft)	15 - 16 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	5 - 6 (ft)	9 - 10 (ft)	2 - 3 (ft)	6 - 7 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00347)	ND (0.00336)	-	-	-	-	-	-	-	ND (0.00351)	ND (0.00364)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00347)	ND (0.00336)	-	-	-	-	-	-	-	ND (0.00351)	ND (0.00364)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00069)	ND (0.00067)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.00073)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	0.00015 J	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00097	0.00114	-	-	-	-	-	-	-	0.00034 J	0.00021 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00139)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00146)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00139)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.00146)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00058)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00061	0.00077	-	-	-	-	-	-	-	0.00051	0.00031	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00044	0.00048	-	-	-	-	-	-	-	0.00028	0.00024	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000074 J	0.000061 J	-	-	-	-	-	-	-	0.00028	0.00008 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000061 J	0.000037 J	-	-	-	-	-	-	-	0.0002	0.000071 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00055	0.00055	-	-	-	-	-	-	-	0.00099	0.00065	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000086 J	0.000065 J	-	-	-	-	-	-	-	0.000046 J	0.000061 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00016	0.000087 J	-	-	-	-	-	-	-	0.00045	0.00016	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00015)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.000075 J	ND (0.00027)	-	-	-	-	-	-	-	0.00023 J	0.000079 J	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000082 J	0.000097 J	-	-	-	-	-	-	-	0.00007 J	0.000077 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00144	0.00161	-	-	-	-	-	-	-	0.00329	0.00303	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00198	0.0017	-	-	-	-	-	-	-	0.00272	0.00141	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 6
SUMMARY OF SOIL QUALITY DATA - BERM 15
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	15A	15A	15A1	15A1	15A1	15A2	15A2	15A3	15A3	15B	15B	15B1	15B1	15B2	15B2	15B2	15B3	15B3
Sample Name	Commercial	15A_0-4	15A_4-8	15A1_2-3	15A1_6-7	15A1_7-8	15A2_1-2	15A2_3-4	15A3_4-5	15A3_7-8	15B_0-4	15B_4-8	15B1_3-4	15B1_7-8	15B2_1-2	15B2_3-4	15B2_6-7	15B3_0-1	15B3_3-4
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-7	460-323525-8	460-323490-22	460-323490-23	460-323490-24	460-323490-25	460-323490-26	460-323490-27	460-323490-28	460-323525-9	460-323525-10	460-323490-29	460-323490-30	460-323490-31	460-323490-32	460-323490-33	460-323490-34	460-323490-35
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	4 - 5 (ft)	7 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 1 (ft)	3 - 4 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,1,2-Trichloroethane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,1-Dichloroethane	240	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,1-Dichloroethene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00094)	ND (0.0012) *	ND (0.0022) *	ND (0.00093) *	ND (0.00084) *	ND (0.00094) *	ND (0.0009) *	-	-	ND (0.00076) *	ND (0.00088) *	ND (0.00082) *	ND (0.0016) *	ND (0.0012) *	ND (0.00099) *	ND (0.00094)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2-Dichlorobenzene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2-Dichloroethane	30	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,2-Dichloropropane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,3-Dichlorobenzene	280	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
1,4-Dichlorobenzene	130	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0047)	ND (0.0062)	ND (0.011)	ND (0.0047)	ND (0.0042)	ND (0.0047)	ND (0.0045)	-	-	ND (0.0038)	ND (0.0044)	ND (0.0041)	ND (0.0081)	ND (0.006)	ND (0.0049)	ND (0.0047)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0047)	ND (0.0062)	ND (0.011)	ND (0.0047)	ND (0.0042)	ND (0.0047)	ND (0.0045)	-	-	ND (0.0038)	ND (0.0044)	ND (0.0041)	ND (0.0081)	ND (0.006)	ND (0.0049)	ND (0.0047)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00094)	ND (0.0012) *	ND (0.0022) *	ND (0.00093) *	ND (0.00084) *	ND (0.00094) *	ND (0.0009) *	-	-	ND (0.00076) *	ND (0.00088) *	ND (0.00082) *	ND (0.0016) *	ND (0.0012) *	ND (0.00099) *	ND (0.00094)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0047)	ND (0.0062)	ND (0.011)	ND (0.0047)	ND (0.0042)	ND (0.0047)	ND (0.0045)	-	-	ND (0.0038)	ND (0.0044)	ND (0.0041)	ND (0.0081)	ND (0.006)	ND (0.0049)	ND (0.0047)
Acetone	500	-	-	ND (0.0056)	ND (0.0074)	ND (0.013)	ND (0.0056)	ND (0.005)	ND (0.0056)	ND (0.0054)	-	-	ND (0.0046)	ND (0.0053)	ND (0.0049)	ND (0.0097)	ND (0.0072)	ND (0.0059)	ND (0.0057)
Benzene	44	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Bromodichloromethane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Bromoform	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0019)	ND (0.0025)	ND (0.0043)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0015)	ND (0.0018)	ND (0.0016)	ND (0.0032)	ND (0.0024)	ND (0.002)	ND (0.0019)
Carbon disulfide	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Carbon tetrachloride	22	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Chlorobenzene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Chlorobromomethane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Chloroethane	NA	-	-	ND (0.00094)	ND (0.0012) *	ND (0.0022) *	ND (0.00093) *	ND (0.00084) *	ND (0.00094) *	ND (0.0009) *	-	-	ND (0.00076) *	ND (0.00088) *	ND (0.00082) *	ND (0.0016) *	ND (0.0012) *	ND (0.00099) *	ND (0.00094)
Chloroform (Trichloromethane)	350	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
cis-1,2-Dichloroethene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Cyclohexane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Dibromochloromethane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Ethylbenzene	390	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
m,p-Xylenes	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Methyl acetate	NA	-	-	ND (0.0047)	ND (0.0062)	ND (0.011)	ND (0.0047)	ND (0.0042)	ND (0.0047)	ND (0.0045)	-	-	ND (0.0038)	ND (0.0044)	ND (0.0041)	ND (0.0081)	ND (0.006)	ND (0.0049)	ND (0.0047)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Methylcyclohexane	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0019)	ND (0.0025)	ND (0.0043)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0015)	ND (0.0018)	ND (0.0016)	0.0019 J	ND (0.0024)	ND (0.002)	ND (0.0019)
n-Butylbenzene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
n-Propylbenzene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
o-Xylene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Styrene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
tert-Butylbenzene	500	-	-	ND (0.00094)	ND (0.0012) *	ND (0.0022) *	ND (0.00093) *	ND (0.00084) *	ND (0.00094) *	ND (0.0009) *	-	-	ND (0.00076) *	ND (0.00088) *	ND (0.00082) *	ND (0.0016) *	ND (0.0012) *	ND (0.00099) *	ND (0.00094)
Tetrachloroethene	150	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Toluene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
trans-1,2-Dichloroethene	500	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Trichloroethene	200	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00094)	ND (0.0012)	ND (0.0022)	ND (0.00093)	ND (0.00084)	ND (0.00094)	ND (0.0009)	-	-	ND (0.00076)	ND (0.00088)	ND (0.00082)	ND (0.0016)	ND (0.0012)	ND (0.00099)	ND (0.00094)
Vinyl chloride	13	-	-	ND (0.00094)	ND (0.0012) *	ND (0.0022) *	ND (0.00093) *	ND (0.00084) *	ND (0.00094) *	ND (0.0009) *	-	-	ND (0.00076) *	ND (0.00088) *	ND (0.00082) *	ND (0.0016) *	ND (0.0012) *	ND (0.00099) *	ND (0.00094)
Xylene (Total)	500	-	-	ND (0.0019)	ND (0.0025)	ND (0.0043)	ND (0.0019)	ND (0.0017)	ND (0.0019)	ND (0.0018)	-	-	ND (0.0015)	ND (0.0018)	ND (0.0016)	ND (0.0032)	ND (0.0024)	ND (0.002)	ND (0.0019)

TABLE 6
SUMMARY OF SOIL QUALITY DATA - BERM 15
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	15A	15A	15A1	15A1	15A1	15A2	15A2	15A3	15A3	15B	15B	15B1	15B1	15B2	15B2	15B2	15B3	15B3
Sample Name	Commercial	15A_0-4	15A_4-8	15A1_2-3	15A1_6-7	15A1_7-8	15A2_1-2	15A2_3-4	15A3_4-5	15A3_7-8	15B_0-4	15B_4-8	15B1_3-4	15B1_7-8	15B2_1-2	15B2_3-4	15B2_6-7	15B3_0-1	15B3_3-4
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-7	460-323525-8	460-323490-22	460-323490-23	460-323490-24	460-323490-25	460-323490-26	460-323490-27	460-323490-28	460-323525-9	460-323525-10	460-323490-29	460-323490-30	460-323490-31	460-323490-32	460-323490-33	460-323490-34	460-323490-35
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	4 - 5 (ft)	7 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 1 (ft)	3 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	0.39	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.74)	-	-	-	-	-	-	-	ND (0.75)	ND (0.75)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.013 J	0.012 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	0.1 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.026 J	0.037 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.013 J	0.017 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	0.031 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	0.091 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	0.073 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.016 J	0.059 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF SOIL QUALITY DATA - BERM 15
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	15A	15A	15A1	15A1	15A1	15A2	15A2	15A3	15A3	15B	15B	15B1	15B1	15B2	15B2	15B2	15B3	15B3
Sample Name	Commercial	15A_0-4	15A_4-8	15A1_2-3	15A1_6-7	15A1_7-8	15A2_1-2	15A2_3-4	15A3_4-5	15A3_7-8	15B_0-4	15B_4-8	15B1_3-4	15B1_7-8	15B2_1-2	15B2_3-4	15B2_6-7	15B3_0-1	15B3_3-4
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-7	460-323525-8	460-323490-22	460-323490-23	460-323490-24	460-323490-25	460-323490-26	460-323490-27	460-323490-28	460-323525-9	460-323525-10	460-323490-29	460-323490-30	460-323490-31	460-323490-32	460-323490-33	460-323490-34	460-323490-35
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	4 - 5 (ft)	7 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 1 (ft)	3 - 4 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7940	7160	-	-	-	-	-	-	-	7490	7310	-	-	-	-	-	-	-
Antimony	NA	0.95 J	1.2	-	-	-	-	-	-	-	1.3	1.1	-	-	-	-	-	-	-
Arsenic	16	6.5	9.2	-	-	-	-	-	-	-	6.3	7	-	-	-	-	-	-	-
Barium	400	70.2	61.4	-	-	-	-	-	-	-	78	63.7	-	-	-	-	-	-	-
Beryllium	590	1.1	1	-	-	-	-	-	-	-	1.5	1.3	-	-	-	-	-	-	-
Cadmium	9.3	0.36 J	0.41 J	-	-	-	-	-	-	-	0.33 J	0.36 J	-	-	-	-	-	-	-
Calcium	NA	2600	2330	-	-	-	-	-	-	-	9410	2330	-	-	-	-	-	-	-
Chromium	NA	38.2	29	-	-	-	-	-	-	-	42.9	34.5	-	-	-	-	-	-	-
Cobalt	NA	18	11.4	-	-	-	-	-	-	-	16.1	13.3	-	-	-	-	-	-	-
Copper	270	129	94.9	-	-	-	-	-	-	-	178	139	-	-	-	-	-	-	-
Iron	NA	25400	24600	-	-	-	-	-	-	-	21500	22600	-	-	-	-	-	-	-
Lead	1000	190	198	-	-	-	-	-	-	-	341	247	-	-	-	-	-	-	-
Magnesium	NA	3240	2320	-	-	-	-	-	-	-	6690	2780	-	-	-	-	-	-	-
Manganese	10000	286	181	-	-	-	-	-	-	-	214	216	-	-	-	-	-	-	-
Mercury	2.8	0.023	0.027	-	-	-	-	-	-	-	0.02	0.032	-	-	-	-	-	-	-
Nickel	310	75.3	46.5	-	-	-	-	-	-	-	102	76.3	-	-	-	-	-	-	-
Potassium	NA	1280	1110	-	-	-	-	-	-	-	1120	1130	-	-	-	-	-	-	-
Selenium	1500	0.45 J	0.58 J	-	-	-	-	-	-	-	0.68 J	0.73 J	-	-	-	-	-	-	-
Silver	1500	0.27 J	0.29 J	-	-	-	-	-	-	-	0.32 J	0.31 J	-	-	-	-	-	-	-
Sodium	NA	158	110	-	-	-	-	-	-	-	147	127	-	-	-	-	-	-	-
Thallium	NA	0.091 J	0.069 J	-	-	-	-	-	-	-	0.085 J	0.088 J	-	-	-	-	-	-	-
Vanadium	NA	24.7	29.9	-	-	-	-	-	-	-	22	24.5	-	-	-	-	-	-	-
Zinc	10000	375	316	-	-	-	-	-	-	-	414	314	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0075)	ND (0.0075)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.075)	ND (0.075)	-	-	-	-	-	-	-

TABLE 6
SUMMARY OF SOIL QUALITY DATA - BERM 15
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	15A	15A	15A1	15A1	15A1	15A2	15A2	15A3	15A3	15B	15B	15B1	15B1	15B2	15B2	15B2	15B3	15B3
Sample Name	Commercial	15A_0-4	15A_4-8	15A1_2-3	15A1_6-7	15A1_7-8	15A2_1-2	15A2_3-4	15A3_4-5	15A3_7-8	15B_0-4	15B_4-8	15B1_3-4	15B1_7-8	15B2_1-2	15B2_3-4	15B2_6-7	15B3_0-1	15B3_3-4
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-7	460-323525-8	460-323490-22	460-323490-23	460-323490-24	460-323490-25	460-323490-26	460-323490-27	460-323490-28	460-323525-9	460-323525-10	460-323490-29	460-323490-30	460-323490-31	460-323490-32	460-323490-33	460-323490-34	460-323490-35
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	6 - 7 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	4 - 5 (ft)	7 - 8 (ft)	0 - 4 (ft)	4 - 8 (ft)	3 - 4 (ft)	7 - 8 (ft)	1 - 2 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 1 (ft)	3 - 4 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00339)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.0035)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00339)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.0035)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00068)	ND (0.00069)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.0007)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00031 J	0.00037 J	-	-	-	-	-	-	-	0.00023 J	0.00022 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00136)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00139)	ND (0.0014)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00136)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00139)	ND (0.0014)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00035	0.00023	-	-	-	-	-	-	-	0.0002	0.00017	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00027	0.00037	-	-	-	-	-	-	-	0.00035	0.00022	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000057 J	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.000052 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000047 J	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.00005 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00036	0.00019	-	-	-	-	-	-	-	0.00011 J	0.00046	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000075 J	0.000034 J	-	-	-	-	-	-	-	ND (0.00014)	0.000066 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000099 J	0.000058 J	-	-	-	-	-	-	-	ND (0.00014)	0.00016	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000071 J	0.000078 J	-	-	-	-	-	-	-	0.000089 J	0.00007 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00194	0.00136	-	-	-	-	-	-	-	0.00134	0.00144	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00159	0.00113	-	-	-	-	-	-	-	0.0012	0.00089	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 7
SUMMARY OF SOIL QUALITY DATA - BERM 17
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	17A	17A	17A1	17A1	17A1	17A2	17A2	17A3	17A3	17B	17B	17B1	17B1	17B2	17B2	17B3	17B3	17B3
Sample Name	Commercial	17A_0-4	17A_4-8	17A1_2-3	17A1_7-8	17A1_3-4	17A2_6-7	17A2_7-8	17A3_2-3	17A3_5-6	17B_0-4	17B_4-8	17B1_2-3	17B1_5-6	17B2_0-1	17B2_5-6	17B3_3-4	17B3_6-7	17B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-11	460-323525-12	460-323490-36	460-323490-37	460-323490-38	460-323490-39	460-323490-40	460-323490-41	460-323490-42	460-323525-13	460-323525-14	460-323490-43	460-323490-44	460-323490-45	460-323490-46	460-323490-47	460-323490-48	460-323490-49
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	1 - 3 (ft)	2 - 8 (ft)	7 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,1,2-Trichloroethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,1-Dichloroethane	240	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,1-Dichloroethene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013) *	ND (0.002) *	ND (0.001) *	ND (0.0013)	ND (0.001) *
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2-Dichlorobenzene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2-Dichloroethane	30	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,2-Dichloropropane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,3-Dichlorobenzene	280	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
1,4-Dichlorobenzene	130	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0043)	ND (0.0055)	ND (0.0053)	ND (0.0064)	ND (0.0058)	ND (0.0063)	ND (0.0066)	-	-	ND (0.013)	ND (0.0062)	ND (0.0066)	ND (0.01)	ND (0.0051)	ND (0.0067)	ND (0.0051)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0043)	ND (0.0055)	ND (0.0053)	ND (0.0064)	ND (0.0058)	ND (0.0063)	ND (0.0066)	-	-	ND (0.013)	ND (0.0062)	ND (0.0066)	ND (0.01)	ND (0.0051)	ND (0.0067)	ND (0.0051)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013) *	ND (0.002) *	ND (0.001) *	ND (0.0013)	ND (0.001) *
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0043)	ND (0.0055)	ND (0.0053)	ND (0.0064)	ND (0.0058)	ND (0.0063)	ND (0.0066)	-	-	ND (0.013)	ND (0.0062)	ND (0.0066)	ND (0.01)	ND (0.0051)	ND (0.0067)	ND (0.0051)
Acetone	500	-	-	ND (0.0052)	ND (0.0066)	ND (0.0064)	ND (0.0077)	ND (0.007)	ND (0.0075)	ND (0.0079)	-	-	ND (0.015)	ND (0.0074)	ND (0.0079)	ND (0.012)	ND (0.0061)	ND (0.008)	ND (0.0061)
Benzene	44	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Bromodichloromethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Bromoform	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0017)	ND (0.0022)	ND (0.0021)	ND (0.0026)	ND (0.0023)	ND (0.0025)	ND (0.0026)	-	-	ND (0.0052)	ND (0.0025)	ND (0.0026)	ND (0.004)	ND (0.002)	ND (0.0027)	ND (0.002)
Carbon disulfide	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Carbon tetrachloride	22	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Chlorobenzene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Chlorobromomethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Chloroethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Chloroform (Trichloromethane)	350	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
cis-1,2-Dichloroethene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Cyclohexane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Dibromochloromethane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Ethylbenzene	390	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
m,p-Xylenes	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013) *	ND (0.002) *	ND (0.001) *	ND (0.0013)	ND (0.001) *
Methyl acetate	NA	-	-	ND (0.0043)	ND (0.0055)	ND (0.0053)	ND (0.0064)	ND (0.0058)	ND (0.0063)	ND (0.0066)	-	-	ND (0.013)	ND (0.0062)	ND (0.0066)	ND (0.01)	ND (0.0051)	ND (0.0067)	ND (0.0051)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Methylcyclohexane	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0017)	ND (0.0022)	ND (0.0021)	ND (0.0026)	ND (0.0023)	ND (0.0025)	ND (0.0026)	-	-	ND (0.0052)	ND (0.0025)	ND (0.0026)	ND (0.004)	ND (0.002)	ND (0.0027)	ND (0.002)
n-Butylbenzene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
n-Propylbenzene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
o-Xylene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Styrene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
tert-Butylbenzene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013) *	ND (0.002) *	ND (0.001) *	ND (0.0013)	ND (0.001) *
Tetrachloroethene	150	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Toluene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
trans-1,2-Dichloroethene	500	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Trichloroethene	200	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Vinyl chloride	13	-	-	ND (0.00087)	ND (0.0011)	ND (0.0011)	ND (0.0013)	ND (0.0012)	ND (0.0013)	ND (0.0013)	-	-	ND (0.0026)	ND (0.0012)	ND (0.0013)	ND (0.002)	ND (0.001)	ND (0.0013)	ND (0.001)
Xylene (Total)	500	-	-	ND (0.0017)	ND (0.0022)	ND (0.0021)	ND (0.0026)	ND (0.0023)	ND (0.0025)	ND (0.0026)	-	-	ND (0.0052)	ND (0.0025)	ND (0.0026)	ND (0.004)	ND (0.002)	ND (0.0027)	ND (0.002)

TABLE 7
SUMMARY OF SOIL QUALITY DATA - BERM 17
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	17A	17A	17A1	17A1	17A1	17A2	17A2	17A3	17A3	17B	17B	17B1	17B1	17B2	17B2	17B3	17B3	17B3
Sample Name	Commercial	17A_0-4	17A_4-8	17A1_2-3	17A1_7-8	17A1_3-4	17A2_6-7	17A2_7-8	17A3_2-3	17A3_5-6	17B_0-4	17B_4-8	17B1_2-3	17B1_5-6	17B2_0-1	17B2_5-6	17B3_3-4	17B3_6-7	17B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-11	460-323525-12	460-323490-36	460-323490-37	460-323490-38	460-323490-39	460-323490-40	460-323490-41	460-323490-42	460-323525-13	460-323525-14	460-323490-43	460-323490-44	460-323490-45	460-323490-46	460-323490-47	460-323490-48	460-323490-49
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	1 - 3 (ft)	2 - 8 (ft)	7 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.022 J	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.77)	ND (0.76)	-	-	-	-	-	-	-	ND (0.73)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	0.0096 J	ND (0.036)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	56	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.38)	0.021 J	-	-	-	-	-	-	-	0.075 J	0.015 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Fluorene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.0082 J	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	0.031 J	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	0.011 J	0.01 J	-	-	-	-	-	-	-

TABLE 7
SUMMARY OF SOIL QUALITY DATA - BERM 17
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	17A	17A	17A1	17A1	17A1	17A2	17A2	17A3	17A3	17B	17B	17B1	17B1	17B2	17B2	17B3	17B3	17B3
Sample Name	Commercial	17A_0-4	17A_4-8	17A1_2-3	17A1_7-8	17A1_3-4	17A2_6-7	17A2_7-8	17A3_2-3	17A3_5-6	17B_0-4	17B_4-8	17B1_2-3	17B1_5-6	17B2_0-1	17B2_5-6	17B3_3-4	17B3_6-7	17B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-11	460-323525-12	460-323490-36	460-323490-37	460-323490-38	460-323490-39	460-323490-40	460-323490-41	460-323490-42	460-323525-13	460-323525-14	460-323490-43	460-323490-44	460-323490-45	460-323490-46	460-323490-47	460-323490-48	460-323490-49
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	1 - 3 (ft)	2 - 8 (ft)	7 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	8280	10800	-	-	-	-	-	-	-	7330	10100	-	-	-	-	-	-	-
Antimony	NA	0.82 J	0.48 J	-	-	-	-	-	-	-	1.4	1.1	-	-	-	-	-	-	-
Arsenic	16	5.8	5	-	-	-	-	-	-	-	7.9	6.8	-	-	-	-	-	-	-
Barium	400	42.4	52.1	-	-	-	-	-	-	-	60.8	111	-	-	-	-	-	-	-
Beryllium	590	0.75	0.72	-	-	-	-	-	-	-	2.3	3.5	-	-	-	-	-	-	-
Cadmium	9.3	0.21 J	0.2 J	-	-	-	-	-	-	-	0.49 J	0.65 J	-	-	-	-	-	-	-
Calcium	NA	3370	1820	-	-	-	-	-	-	-	37200	37200	-	-	-	-	-	-	-
Chromium	NA	17.2	17.5	-	-	-	-	-	-	-	26	51.3	-	-	-	-	-	-	-
Cobalt	NA	7.7	8	-	-	-	-	-	-	-	8.7	10.9	-	-	-	-	-	-	-
Copper	270	47.5	33.2	-	-	-	-	-	-	-	82	103	-	-	-	-	-	-	-
Iron	NA	19600	23100	-	-	-	-	-	-	-	20300	24000	-	-	-	-	-	-	-
Lead	1000	87.3	56.9	-	-	-	-	-	-	-	283	716	-	-	-	-	-	-	-
Magnesium	NA	3970	4230	-	-	-	-	-	-	-	19800	20300	-	-	-	-	-	-	-
Manganese	10000	261	335	-	-	-	-	-	-	-	230	204	-	-	-	-	-	-	-
Mercury	2.8	0.016 J	0.019	-	-	-	-	-	-	-	0.051	0.038	-	-	-	-	-	-	-
Nickel	310	22.1	17.7	-	-	-	-	-	-	-	29.7	44.4	-	-	-	-	-	-	-
Potassium	NA	1160	1460	-	-	-	-	-	-	-	1100	1370	-	-	-	-	-	-	-
Selenium	1500	0.21 J	0.2 J	-	-	-	-	-	-	-	0.3 J	0.31 J	-	-	-	-	-	-	-
Silver	1500	0.13 J	0.1 J	-	-	-	-	-	-	-	0.34 J	0.31 J	-	-	-	-	-	-	-
Sodium	NA	64.5 J	74.4 J	-	-	-	-	-	-	-	124	220	-	-	-	-	-	-	-
Thallium	NA	0.087 J	0.11 J	-	-	-	-	-	-	-	0.13 J	0.12 J	-	-	-	-	-	-	-
Vanadium	NA	21.8	23.8	-	-	-	-	-	-	-	26.2	26.4	-	-	-	-	-	-	-
Zinc	10000	119	72.8	-	-	-	-	-	-	-	263	431	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0077)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.077)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-

TABLE 7
SUMMARY OF SOIL QUALITY DATA - BERM 17
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	17A	17A	17A1	17A1	17A1	17A2	17A2	17A3	17A3	17B	17B	17B1	17B1	17B2	17B2	17B3	17B3	17B3
Sample Name	Commercial	17A_0-4	17A_4-8	17A1_2-3	17A1_7-8	17A1_3-4	17A2_6-7	17A2_7-8	17A3_2-3	17A3_5-6	17B_0-4	17B_4-8	17B1_2-3	17B1_5-6	17B2_0-1	17B2_5-6	17B3_3-4	17B3_6-7	17B3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-11	460-323525-12	460-323490-36	460-323490-37	460-323490-38	460-323490-39	460-323490-40	460-323490-41	460-323490-42	460-323525-13	460-323525-14	460-323490-43	460-323490-44	460-323490-45	460-323490-46	460-323490-47	460-323490-48	460-323490-49
Sample Depth (bgs)	Objectives	0 - 4 (ft)	4 - 8 (ft)	1 - 3 (ft)	2 - 8 (ft)	7 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 4 (ft)	4 - 8 (ft)	2 - 3 (ft)	5 - 6 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	7 - 8 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00354)	ND (0.00356)	-	-	-	-	-	-	-	ND (0.00339)	ND (0.00347)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00354)	ND (0.00356)	-	-	-	-	-	-	-	ND (0.00339)	ND (0.00347)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00071)	ND (0.00071)	-	-	-	-	-	-	-	ND (0.00068)	ND (0.00069)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	0.00021 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00142)	ND (0.00143)	-	-	-	-	-	-	-	ND (0.00135)	ND (0.00139)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00142)	ND (0.00143)	-	-	-	-	-	-	-	ND (0.00135)	ND (0.00139)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.000058 J	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00057)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.000057 J	ND (0.00014)	-	-	-	-	-	-	-	0.00017	0.00027	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.000045 J	ND (0.00014)	-	-	-	-	-	-	-	0.00011 J	0.00015	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.000049 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	0.000046 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.000067 J	0.000067 J	-	-	-	-	-	-	-	0.00017	0.00034	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000054 J	0.0001 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000041 J	0.00014	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	0.000052 J	0.000064 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.0004	0.00043	-	-	-	-	-	-	-	0.00355	0.00288	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00054	0.00043	-	-	-	-	-	-	-	0.00238	0.00095	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18A	18A	18A1	18A1	18A1	18A2	18A2	18A3	18A3	18B	18B	18B1	18B1	18B2	18B2	18B2	18B3	18B3
Sample Name	Commercial	18A_0-5	18A_5-10	18A1_1-2	18A1_4-5	18A1_7-8	18A2_2-3	18A2_8-9	18A3_3-4	18A3_6-7	18B_0-4	18B_4-8	18B1_1-2	18B1_7-8	18B2_0-1	18B2_5-6	18B2_7-8	18B3_2-3	18B3_5-6
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-15	460-323525-16	460-323490-50	460-323490-51	460-323490-52	460-323490-53	460-323490-54	460-323490-55	460-323490-56	460-323525-17	460-323525-18	460-323490-57	460-323490-58	460-323490-59	460-323490-61	460-323490-60	460-323490-62	460-323490-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 4 (ft)	4 - 8 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,1,2-Trichloroethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,1-Dichloroethane	240	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,1-Dichloroethene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00083) *	ND (0.0009) *	ND (0.001) *	ND (0.001) *	ND (0.0014) *	ND (0.001) *	ND (0.00088) *	-	-	ND (0.0014)	ND (0.00089) *	ND (0.0011) *	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2-Dichlorobenzene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2-Dichloroethane	30	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,2-Dichloropropane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,3-Dichlorobenzene	280	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
1,4-Dichlorobenzene	130	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0042)	ND (0.0045)	ND (0.0051)	ND (0.0052)	ND (0.0071)	ND (0.005)	ND (0.0044)	-	-	ND (0.007)	ND (0.0045)	ND (0.0053)	ND (0.0043)	ND (0.0056)	ND (0.0041)	ND (0.0065)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0042)	ND (0.0045)	ND (0.0051)	ND (0.0052)	ND (0.0071)	ND (0.005)	ND (0.0044)	-	-	ND (0.007)	ND (0.0045)	ND (0.0053)	ND (0.0043)	ND (0.0056)	ND (0.0041)	ND (0.0065)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00083) *	ND (0.0009) *	ND (0.001) *	ND (0.001) *	ND (0.0014) *	ND (0.001) *	ND (0.00088) *	-	-	ND (0.0014)	ND (0.00089) *	ND (0.0011) *	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0042)	ND (0.0045)	ND (0.0051)	ND (0.0052)	ND (0.0071)	ND (0.005)	ND (0.0044)	-	-	ND (0.007)	ND (0.0045)	ND (0.0053)	ND (0.0043)	ND (0.0056)	ND (0.0041)	ND (0.0065)
Acetone	500	-	-	ND (0.005)	ND (0.0054)	ND (0.0061)	ND (0.0062)	ND (0.0085)	ND (0.006)	ND (0.0053)	-	-	ND (0.0084)	ND (0.0054)	ND (0.0064)	ND (0.0051)	ND (0.0068)	ND (0.0049)	ND (0.0078)
Benzene	44	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Bromodichloromethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Bromoform	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0021)	ND (0.0028)	ND (0.002)	ND (0.0018)	-	-	ND (0.0028)	ND (0.0018)	ND (0.0021)	ND (0.0017)	ND (0.0023)	ND (0.0016)	ND (0.0026)
Carbon disulfide	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Carbon tetrachloride	22	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Chlorobenzene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Chlorobromomethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Chloroethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Chloroform (Trichloromethane)	350	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
cis-1,2-Dichloroethene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Cyclohexane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Dibromochloromethane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Ethylbenzene	390	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
m,p-Xylenes	NA	-	-	ND (0.00083) *	ND (0.0009) *	ND (0.001) *	ND (0.001) *	ND (0.0014) *	ND (0.001) *	ND (0.00088) *	-	-	ND (0.0014)	ND (0.00089) *	ND (0.0011) *	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Methyl acetate	NA	-	-	ND (0.0042)	ND (0.0045)	ND (0.0051)	ND (0.0052)	ND (0.0071)	ND (0.005)	ND (0.0044)	-	-	ND (0.007)	ND (0.0045)	ND (0.0053)	ND (0.0043)	ND (0.0056)	ND (0.0041)	ND (0.0065)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Methylcyclohexane	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0021)	ND (0.0028)	ND (0.002)	ND (0.0018)	-	-	ND (0.0028)	ND (0.0018)	ND (0.0021)	ND (0.0017)	ND (0.0023)	ND (0.0016)	ND (0.0026)
n-Butylbenzene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
n-Propylbenzene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
o-Xylene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Styrene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
tert-Butylbenzene	500	-	-	ND (0.00083) *	ND (0.0009) *	ND (0.001) *	ND (0.001) *	ND (0.0014) *	ND (0.001) *	ND (0.00088) *	-	-	ND (0.0014)	ND (0.00089) *	ND (0.0011) *	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Tetrachloroethene	150	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Toluene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
trans-1,2-Dichloroethene	500	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Trichloroethene	200	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Vinyl chloride	13	-	-	ND (0.00083)	ND (0.0009)	ND (0.001)	ND (0.001)	ND (0.0014)	ND (0.001)	ND (0.00088)	-	-	ND (0.0014)	ND (0.00089)	ND (0.0011)	ND (0.00085)	ND (0.0011)	ND (0.00081)	ND (0.0013)
Xylene (Total)	500	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.0021)	ND (0.0028)	ND (0.002)	ND (0.0018)	-	-	ND (0.0028)	ND (0.0018)	ND (0.0021)	ND (0.0017)	ND (0.0023)	ND (0.0016)	ND (0.0026)

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18A	18A	18A1	18A1	18A1	18A2	18A2	18A3	18A3	18B	18B	18B1	18B1	18B2	18B2	18B2	18B3	18B3
Sample Name	Commercial	18A_0-5	18A_5-10	18A1_1-2	18A1_4-5	18A1_7-8	18A2_2-3	18A2_8-9	18A3_3-4	18A3_6-7	18B_0-4	18B_4-8	18B1_1-2	18B1_7-8	18B2_0-1	18B2_5-6	18B2_7-8	18B3_2-3	18B3_5-6
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-15	460-323525-16	460-323490-50	460-323490-51	460-323490-52	460-323490-53	460-323490-54	460-323490-55	460-323490-56	460-323525-17	460-323525-18	460-323490-57	460-323490-58	460-323490-59	460-323490-61	460-323490-60	460-323490-62	460-323490-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 4 (ft)	4 - 8 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.17)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.17)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.33)	ND (0.31)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.17)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.33)	ND (0.31)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.78)	ND (0.76)	-	-	-	-	-	-	-	ND (0.84)	ND (0.77)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Anthracene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.17) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.41) *	ND (0.38) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	0.012 J	ND (0.038)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	0.017 J	0.012 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	0.016 J	ND (0.38)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	0.014 J	0.012 J	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.41) *	ND (0.38) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Chrysene	56	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.38)	0.037 J	-	-	-	-	-	-	-	0.02 J	ND (0.38)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Fluorene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.078)	ND (0.076)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	0.018 J	ND (0.038)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.17)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.041)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.33)	ND (0.31)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.41)	ND (0.38)	-	-	-	-	-	-	-
Pyrene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	0.013 J	ND (0.38)	-	-	-	-	-	-	-

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18A	18A	18A1	18A1	18A1	18A2	18A2	18A3	18A3	18B	18B	18B1	18B1	18B2	18B2	18B2	18B3	18B3
Sample Name	Commercial	18A_0-5	18A_5-10	18A1_1-2	18A1_4-5	18A1_7-8	18A2_2-3	18A2_8-9	18A3_3-4	18A3_6-7	18B_0-4	18B_4-8	18B1_1-2	18B1_7-8	18B2_0-1	18B2_5-6	18B2_7-8	18B3_2-3	18B3_5-6
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-15	460-323525-16	460-323490-50	460-323490-51	460-323490-52	460-323490-53	460-323490-54	460-323490-55	460-323490-56	460-323525-17	460-323525-18	460-323490-57	460-323490-58	460-323490-59	460-323490-61	460-323490-60	460-323490-62	460-323490-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 4 (ft)	4 - 8 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	4360	10700	-	-	-	-	-	-	-	7740	8400	-	-	-	-	-	-	-
Antimony	NA	0.16 J	1.2	-	-	-	-	-	-	-	0.64 J	0.65 J	-	-	-	-	-	-	-
Arsenic	16	4.1	7.5	-	-	-	-	-	-	-	7.7	6	-	-	-	-	-	-	-
Barium	400	41.1	69.2	-	-	-	-	-	-	-	51.6	61.1	-	-	-	-	-	-	-
Beryllium	590	0.25 J	0.91	-	-	-	-	-	-	-	0.61	2.1	-	-	-	-	-	-	-
Cadmium	9.3	ND (1.1)	0.37 J	-	-	-	-	-	-	-	0.2 J	0.33 J	-	-	-	-	-	-	-
Calcium	NA	327	1650	-	-	-	-	-	-	-	2960	5570	-	-	-	-	-	-	-
Chromium	NA	13.8	24.3	-	-	-	-	-	-	-	18.5	30.9	-	-	-	-	-	-	-
Cobalt	NA	1 J	8.3	-	-	-	-	-	-	-	7.8	9	-	-	-	-	-	-	-
Copper	270	13.4	53.3	-	-	-	-	-	-	-	34.1	56.8	-	-	-	-	-	-	-
Iron	NA	5580	20700	-	-	-	-	-	-	-	16000	17600	-	-	-	-	-	-	-
Lead	1000	16.4	267	-	-	-	-	-	-	-	160	125	-	-	-	-	-	-	-
Magnesium	NA	357	2770	-	-	-	-	-	-	-	2790	4520	-	-	-	-	-	-	-
Manganese	10000	27.2	356	-	-	-	-	-	-	-	197	301	-	-	-	-	-	-	-
Mercury	2.8	0.04	0.04	-	-	-	-	-	-	-	0.026	0.016 J	-	-	-	-	-	-	-
Nickel	310	2.3	18.3	-	-	-	-	-	-	-	13.5	27.8	-	-	-	-	-	-	-
Potassium	NA	981	1400	-	-	-	-	-	-	-	1220	1190	-	-	-	-	-	-	-
Selenium	1500	0.21 J	0.45 J	-	-	-	-	-	-	-	0.37 J	0.26 J	-	-	-	-	-	-	-
Silver	1500	ND (0.44)	0.32 J	-	-	-	-	-	-	-	0.14 J	0.18 J	-	-	-	-	-	-	-
Sodium	NA	ND (110)	97.5 J	-	-	-	-	-	-	-	93.5 J	103 J	-	-	-	-	-	-	-
Thallium	NA	0.13 J	0.13 J	-	-	-	-	-	-	-	0.13 J	0.13 J	-	-	-	-	-	-	-
Vanadium	NA	14.2	30.9	-	-	-	-	-	-	-	29.7	25.5	-	-	-	-	-	-	-
Zinc	10000	11.2	126	-	-	-	-	-	-	-	69.6	358	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Endrin	89	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0025)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0078)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0084)	ND (0.0077)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.078)	ND (0.077)	-	-	-	-	-	-	-	ND (0.084)	ND (0.077)	-	-	-	-	-	-	-

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18A	18A	18A1	18A1	18A1	18A2	18A2	18A3	18A3	18B	18B	18B1	18B1	18B2	18B2	18B2	18B3	18B3
Sample Name	Commercial	18A_0-5	18A_5-10	18A1_1-2	18A1_4-5	18A1_7-8	18A2_2-3	18A2_8-9	18A3_3-4	18A3_6-7	18B_0-4	18B_4-8	18B1_1-2	18B1_7-8	18B2_0-1	18B2_5-6	18B2_7-8	18B3_2-3	18B3_5-6
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-15	460-323525-16	460-323490-50	460-323490-51	460-323490-52	460-323490-53	460-323490-54	460-323490-55	460-323490-56	460-323525-17	460-323525-18	460-323490-57	460-323490-58	460-323490-59	460-323490-61	460-323490-60	460-323490-62	460-323490-63
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	4 - 5 (ft)	7 - 8 (ft)	2 - 3 (ft)	8 - 9 (ft)	3 - 4 (ft)	6 - 7 (ft)	0 - 4 (ft)	4 - 8 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	5 - 6 (ft)	7 - 8 (ft)	2 - 3 (ft)	5 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00365)	ND (0.00357)	-	-	-	-	-	-	-	ND (0.00396)	ND (0.00355)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00365)	ND (0.00357)	-	-	-	-	-	-	-	ND (0.00396)	ND (0.00355)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00073)	ND (0.00071)	-	-	-	-	-	-	-	ND (0.00079)	ND (0.00071)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00146)	ND (0.00143)	-	-	-	-	-	-	-	ND (0.00159)	ND (0.00142)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	0.000052 J	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00146)	ND (0.00143)	-	-	-	-	-	-	-	0.0005 J	ND (0.00142)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00032)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00032)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00032)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00032)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00063)	ND (0.00057)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00033	0.00023	-	-	-	-	-	-	-	0.000097 J	0.00011 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00018	0.00026	-	-	-	-	-	-	-	0.000069 J	0.000092 J	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00012 J	0.00018	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000096 J	0.000092 J	-	-	-	-	-	-	-	ND (0.00016)	0.000045 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00034	0.00034	-	-	-	-	-	-	-	0.00013 J	0.00014	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	0.00005 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00012 J	0.000077 J	-	-	-	-	-	-	-	0.000084 J	0.000049 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00021	0.00025	-	-	-	-	-	-	-	0.00016	0.000087 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.00011 J	0.000084 J	-	-	-	-	-	-	-	ND (0.00032)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000061 J	0.00009 J	-	-	-	-	-	-	-	ND (0.00016)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00172	0.00222	-	-	-	-	-	-	-	0.0005	0.00055	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00163	0.00173	-	-	-	-	-	-	-	0.00042	0.00059	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	18C	18C	18C1	18C1	18C2	18C2	18C3	18C3	18C3	18D	18D	18D1	18D1	18D1	18D2	18D2	18D3	18D3
Sample Name	NY Part 375 Commercial	18C_0-5	18C_5-10	18C1_0-1	18C1_5-6	18C2_3-4	18C2_6-7	18C3_4-5	18C3_7-8	18C3_9-10	18D_0-5	18D_5-10	18D1_0-1	18D1_6-7	18D1_8-9	18D2_1-2	18D2_5-6	18D3_3-4	18D3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-19	460-323525-20	460-323490-64	460-323490-65	460-323490-66	460-323490-67	460-323490-68	460-323490-69	460-323490-70	460-323525-21	460-323525-22	460-323490-71	460-323490-72	460-323490-73	460-323490-74	460-323490-75	460-323490-76	460-323490-77
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	6 - 7 (ft)	8 - 9 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	7 - 8 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,1,2-Trichloroethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,1-Dichloroethane	240	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,1-Dichloroethene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082) *	-	-	ND (0.0011) *	ND (0.0014) *	ND (0.00093) *	ND (0.0011) *	ND (0.00078) *	ND (0.00093)	ND (0.00093)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2-Dichlorobenzene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2-Dichloroethane	30	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,2-Dichloropropane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,3-Dichlorobenzene	280	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
1,4-Dichlorobenzene	130	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0041)	ND (0.0044)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0044)	ND (0.0041)	-	-	ND (0.0055)	ND (0.0071)	ND (0.0046)	ND (0.0057)	ND (0.0039)	ND (0.0047)	ND (0.0047)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0041)	ND (0.0044)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0044)	ND (0.0041)	-	-	ND (0.0055)	ND (0.0071)	ND (0.0046)	ND (0.0057)	ND (0.0039)	ND (0.0047)	ND (0.0047)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082) *	-	-	ND (0.0011) *	ND (0.0014) *	ND (0.00093) *	ND (0.0011) *	ND (0.00078) *	ND (0.00093)	ND (0.00093)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0041)	ND (0.0044)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0044)	ND (0.0041)	-	-	ND (0.0055)	ND (0.0071)	ND (0.0046)	ND (0.0057)	ND (0.0039)	ND (0.0047)	ND (0.0047)
Acetone	500	-	-	ND (0.0049)	ND (0.0053)	ND (0.006)	ND (0.0061)	ND (0.0078)	ND (0.0053)	ND (0.0049)	-	-	ND (0.0066)	ND (0.0085)	ND (0.0056)	ND (0.0068)	ND (0.0047)	ND (0.0056)	ND (0.0056)
Benzene	44	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Bromodichloromethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Bromoform	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0016)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0018)	ND (0.0016)	-	-	ND (0.0022)	ND (0.0028)	ND (0.0019)	ND (0.0023)	ND (0.0016)	ND (0.0019)	ND (0.0019)
Carbon disulfide	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Carbon tetrachloride	22	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Chlorobenzene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Chlorobromomethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Chloroethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Chloroform (Trichloromethane)	350	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
cis-1,2-Dichloroethene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Cyclohexane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Dibromochloromethane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Ethylbenzene	390	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
m,p-Xylenes	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082) *	-	-	ND (0.0011) *	ND (0.0014) *	ND (0.00093) *	ND (0.0011) *	ND (0.00078) *	ND (0.00093)	ND (0.00093)
Methyl acetate	NA	-	-	ND (0.0041)	ND (0.0044)	ND (0.005)	ND (0.0051)	ND (0.0065)	ND (0.0044)	ND (0.0041)	-	-	ND (0.0055)	ND (0.0071)	ND (0.0046)	ND (0.0057)	ND (0.0039)	ND (0.0047)	ND (0.0047)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Methylcyclohexane	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0016)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0018)	ND (0.0016)	-	-	ND (0.0022)	0.0025 J	ND (0.0019)	ND (0.0023)	ND (0.0016)	ND (0.0019)	ND (0.0019)
n-Butylbenzene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
n-Propylbenzene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
o-Xylene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Styrene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
tert-Butylbenzene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082) *	-	-	ND (0.0011) *	ND (0.0014) *	ND (0.00093) *	ND (0.0011) *	ND (0.00078) *	ND (0.00093)	ND (0.00093)
Tetrachloroethene	150	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Toluene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
trans-1,2-Dichloroethene	500	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Trichloroethene	200	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Vinyl chloride	13	-	-	ND (0.00081)	ND (0.00088)	ND (0.001)	ND (0.001)	ND (0.0013)	ND (0.00089)	ND (0.00082)	-	-	ND (0.0011)	ND (0.0014)	ND (0.00093)	ND (0.0011)	ND (0.00078)	ND (0.00093)	ND (0.00093)
Xylene (Total)	500	-	-	ND (0.0016)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0026)	ND (0.0018)	ND (0.0016)	-	-	ND (0.0022)	ND (0.0028)	ND (0.0019)	ND (0.0023)	ND (0.0016)	ND (0.0019)	ND (0.0019)

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

Location Name	Action Level	18C	18C	18C1	18C1	18C2	18C2	18C3	18C3	18C3	18D	18D	18D1	18D1	18D1	18D2	18D2	18D3	18D3
Sample Name	NY Part 375	18C_0-5	18C_5-10	18C1_0-1	18C1_5-6	18C2_3-4	18C2_6-7	18C3_4-5	18C3_7-8	18C3_9-10	18D_0-5	18D_5-10	18D1_0-1	18D1_6-7	18D1_8-9	18D2_1-2	18D2_5-6	18D3_3-4	18D3_7-8
Sample Date	Commercial	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Use Soil Cleanup	460-323525-19	460-323525-20	460-323490-64	460-323490-65	460-323490-66	460-323490-67	460-323490-68	460-323490-69	460-323490-70	460-323525-21	460-323525-22	460-323490-71	460-323490-72	460-323490-73	460-323490-74	460-323490-75	460-323490-76	460-323490-77
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	6 - 7 (ft)	8 - 9 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	7 - 8 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.014 J	0.011 J	-	-	-	-	-	-	-	0.011 J	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.77)	ND (0.77)	-	-	-	-	-	-	-	ND (0.74)	ND (0.75)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	0.039 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	0.056	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.045	0.012 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.058	0.024 J	-	-	-	-	-	-	-	ND (0.037)	0.011 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.031 J	0.013 J	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	0.022 J	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	0.017 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	0.024 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	0.054 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.084 J	0.027 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	0.029 J	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	0.0084 J	0.0086 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.31)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	0.023 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.092 J	0.029 J	-	-	-	-	-	-	-	0.0097 J	0.0096 J	-	-	-	-	-	-	-

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18C	18C	18C1	18C1	18C2	18C2	18C3	18C3	18C3	18D	18D	18D1	18D1	18D1	18D2	18D2	18D3	18D3
Sample Name	Commercial	18C_0-5	18C_5-10	18C1_0-1	18C1_5-6	18C2_3-4	18C2_6-7	18C3_4-5	18C3_7-8	18C3_9-10	18D_0-5	18D_5-10	18D1_0-1	18D1_6-7	18D1_8-9	18D2_1-2	18D2_5-6	18D3_3-4	18D3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-19	460-323525-20	460-323490-64	460-323490-65	460-323490-66	460-323490-67	460-323490-68	460-323490-69	460-323490-70	460-323525-21	460-323525-22	460-323490-71	460-323490-72	460-323490-73	460-323490-74	460-323490-75	460-323490-76	460-323490-77
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	6 - 7 (ft)	8 - 9 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	7 - 8 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	9080	8040	-	-	-	-	-	-	-	9010	8490	-	-	-	-	-	-	-
Antimony	NA	1.4	1.4	-	-	-	-	-	-	-	1	1.3	-	-	-	-	-	-	-
Arsenic	16	8.5	8.2	-	-	-	-	-	-	-	6.3	7.2	-	-	-	-	-	-	-
Barium	400	69	53.9	-	-	-	-	-	-	-	83.5	76.4	-	-	-	-	-	-	-
Beryllium	590	1.5	1.7	-	-	-	-	-	-	-	1.7	1.2	-	-	-	-	-	-	-
Cadmium	9.3	0.31 J	0.27 J	-	-	-	-	-	-	-	0.32 J	0.35 J	-	-	-	-	-	-	-
Calcium	NA	3940	2200	-	-	-	-	-	-	-	2850	2880	-	-	-	-	-	-	-
Chromium	NA	29.2	25.8	-	-	-	-	-	-	-	25.6	25.6	-	-	-	-	-	-	-
Cobalt	NA	8.4	8.3	-	-	-	-	-	-	-	7.8	8.5	-	-	-	-	-	-	-
Copper	270	71.5	73	-	-	-	-	-	-	-	62.7	70.9	-	-	-	-	-	-	-
Iron	NA	20800	18900	-	-	-	-	-	-	-	20100	19900	-	-	-	-	-	-	-
Lead	1000	271	168	-	-	-	-	-	-	-	214	271	-	-	-	-	-	-	-
Magnesium	NA	3600	2600	-	-	-	-	-	-	-	2510	2640	-	-	-	-	-	-	-
Manganese	10000	243	230	-	-	-	-	-	-	-	184	175	-	-	-	-	-	-	-
Mercury	2.8	0.028	0.046	-	-	-	-	-	-	-	0.027	0.032	-	-	-	-	-	-	-
Nickel	310	27.4	30	-	-	-	-	-	-	-	26.7	31.3	-	-	-	-	-	-	-
Potassium	NA	1220	1080	-	-	-	-	-	-	-	1250	1210	-	-	-	-	-	-	-
Selenium	1500	0.42 J	0.42 J	-	-	-	-	-	-	-	0.31 J	0.32 J	-	-	-	-	-	-	-
Silver	1500	0.34 J	0.32 J	-	-	-	-	-	-	-	0.23 J	0.25 J	-	-	-	-	-	-	-
Sodium	NA	131	88.3 J	-	-	-	-	-	-	-	153	124	-	-	-	-	-	-	-
Thallium	NA	0.1 J	0.089 J	-	-	-	-	-	-	-	0.11 J	0.1 J	-	-	-	-	-	-	-
Vanadium	NA	28.4	25	-	-	-	-	-	-	-	26.2	29	-	-	-	-	-	-	-
Zinc	10000	224	211	-	-	-	-	-	-	-	230	246	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Endrin	89	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0077)	ND (0.0077)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-

TABLE 8
SUMMARY OF SOIL QUALITY DATA - BERM 18
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEW YORK
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	18C	18C	18C1	18C1	18C2	18C2	18C3	18C3	18C3	18D	18D	18D1	18D1	18D1	18D2	18D2	18D3	18D3
Sample Name	Commercial	18C_0-5	18C_5-10	18C1_0-1	18C1_5-6	18C2_3-4	18C2_6-7	18C3_4-5	18C3_7-8	18C3_9-10	18D_0-5	18D_5-10	18D1_0-1	18D1_6-7	18D1_8-9	18D2_1-2	18D2_5-6	18D3_3-4	18D3_7-8
Sample Date	Use	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025	04/03/2025
Lab Sample ID	Soil Cleanup	460-323525-19	460-323525-20	460-323490-64	460-323490-65	460-323490-66	460-323490-67	460-323490-68	460-323490-69	460-323490-70	460-323525-21	460-323525-22	460-323490-71	460-323490-72	460-323490-73	460-323490-74	460-323490-75	460-323490-76	460-323490-77
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	5 - 6 (ft)	3 - 4 (ft)	6 - 7 (ft)	4 - 5 (ft)	7 - 8 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	0 - 1 (ft)	6 - 7 (ft)	8 - 9 (ft)	1 - 2 (ft)	5 - 6 (ft)	3 - 4 (ft)	7 - 8 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00362)	ND (0.00356)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.00349)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00362)	ND (0.00356)	-	-	-	-	-	-	-	ND (0.00349)	ND (0.00349)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00072)	ND (0.00071)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.0007)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00058)	0.00026 J	-	-	-	-	-	-	-	0.00016 J	ND (0.00056)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00145)	ND (0.00142)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0014)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00145)	ND (0.00142)	-	-	-	-	-	-	-	ND (0.0014)	ND (0.0014)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	0.00004 J	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00058)	ND (0.00057)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00056)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00026	0.00016	-	-	-	-	-	-	-	0.00037	0.00018	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00023	0.00033	-	-	-	-	-	-	-	0.00026	0.00018	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000085 J	0.000037 J	-	-	-	-	-	-	-	0.000092 J	0.000046 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000084 J	ND (0.00014)	-	-	-	-	-	-	-	0.000082 J	0.000049 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00105	0.00042	-	-	-	-	-	-	-	0.00088	0.0003	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.00017	0.000049 J	-	-	-	-	-	-	-	0.000084 J	0.000057 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.0004	0.000088 J	-	-	-	-	-	-	-	0.00017	0.000092 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00029)	ND (0.00028)	-	-	-	-	-	-	-	0.00011 J	ND (0.00028)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000072 J	0.000075 J	-	-	-	-	-	-	-	0.000077 J	0.000052 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00268	0.00255	-	-	-	-	-	-	-	0.0028	0.00167	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00271	0.00224	-	-	-	-	-	-	-	0.00344	0.00183	-	-	-	-	-	-	-

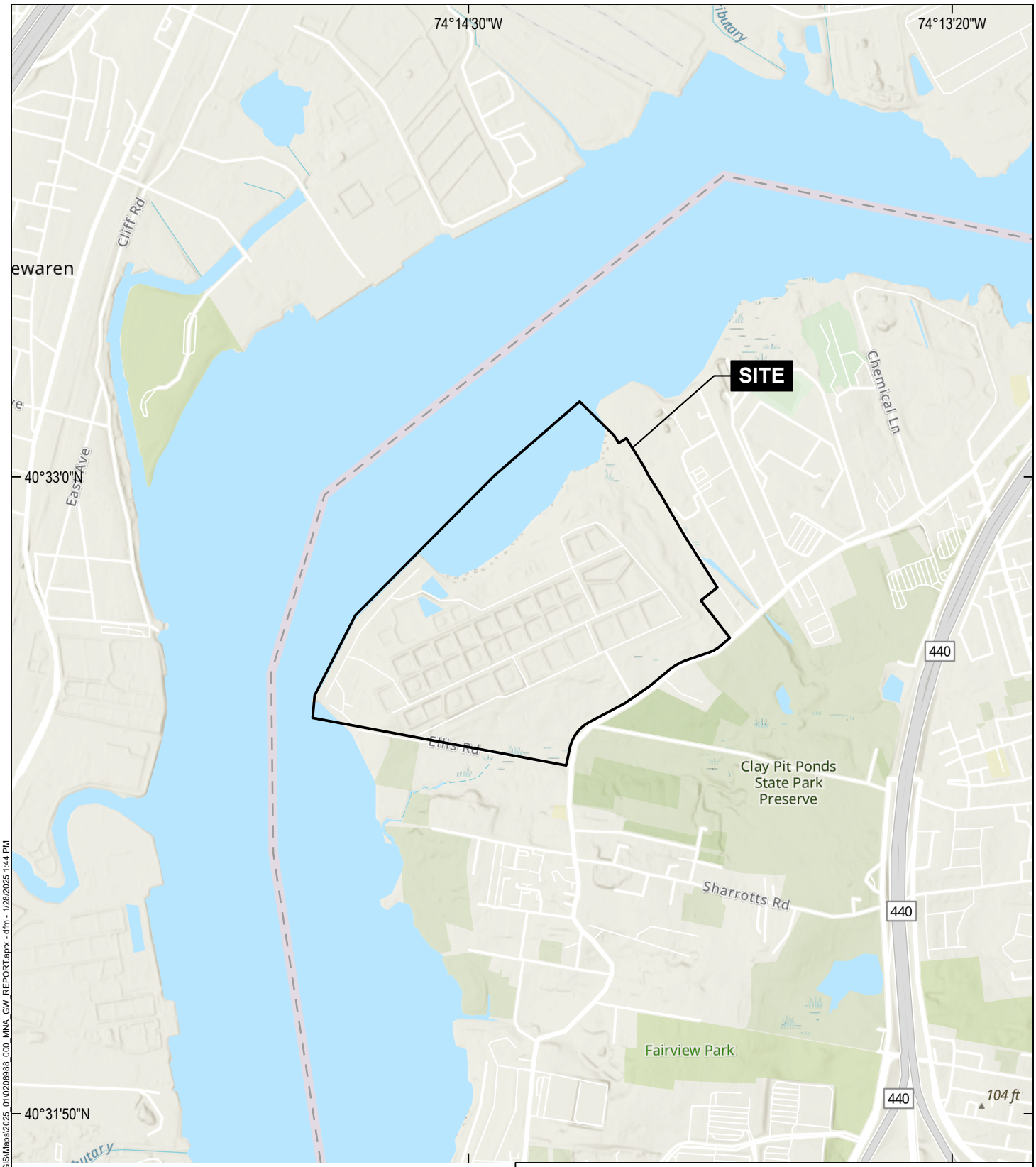
ABBREVIATIONS AND NOTES:

mg/kg: milligram per kilogram

**: LCS or LCSD is outside acceptance limits.*
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
*- **Bold** values indicate an exceedance of the Commercial Use SCOs.*

FIGURES



MAP SOURCE: ESRI
SITE COORDINATES: 40°32'46"N, 74°14'21"W

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

PROJECT LOCUS

APPROXIMATE SCALE: 1 IN = 2000 FT
MAY 2025

FIGURE 1

GIS: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2025_0102208988_000_MNA_GW_REPORT.aprx - dfm - 1/28/2025 1:44 PM

LEGEND

- CONTAINMENT BERM
- SURFACE IMPOUNDMENT
- IRM 1 BOUNDARY
- PROJECT SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE; NEARMAP, JUNE 20, 2024.

0 420 840
SCALE IN FEET

HALEY ALDRICH

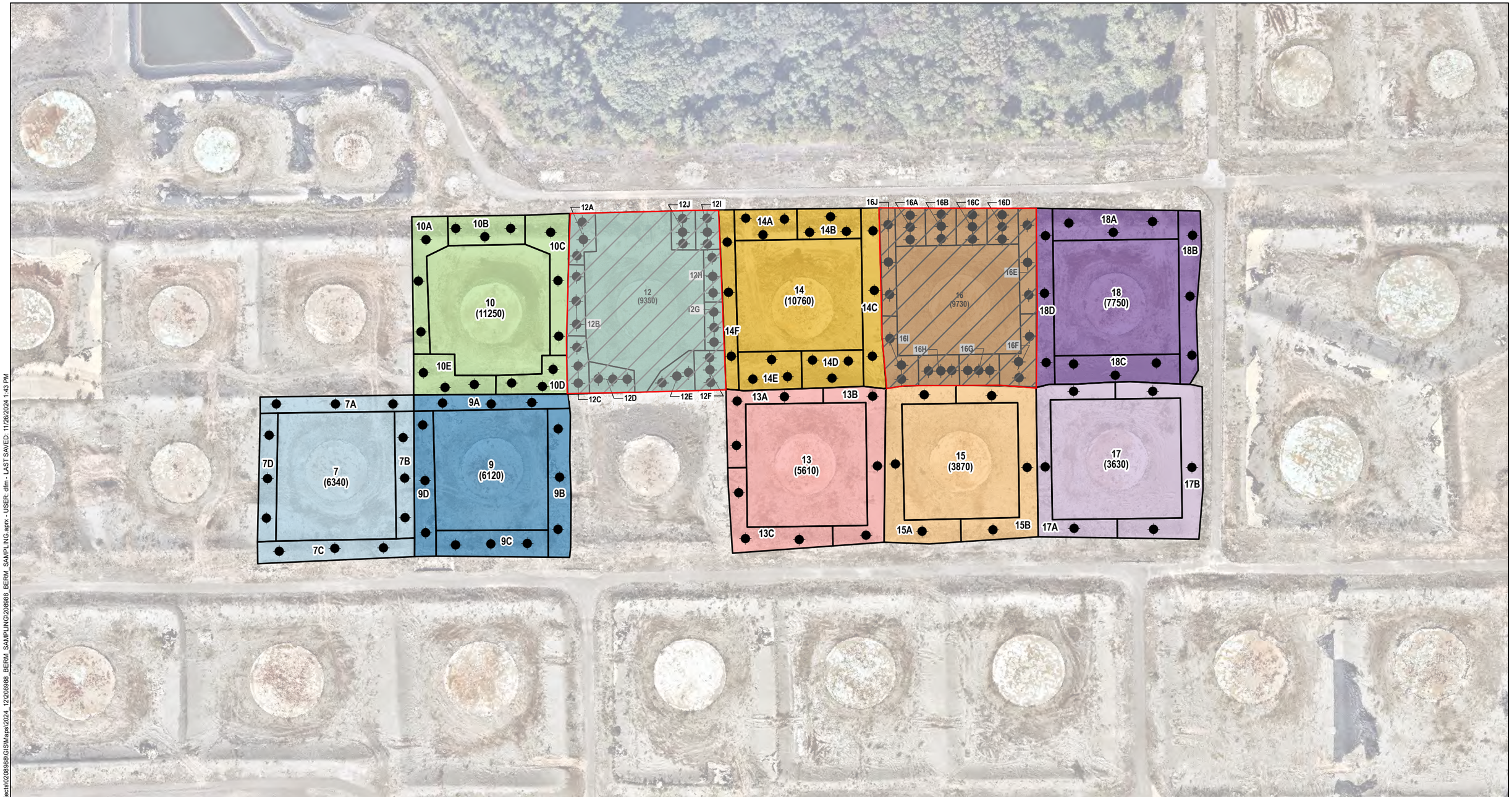
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

SITE MAP

MAY 2025

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_07\208988_000_ALTERNATIVE_ANALYSIS\208988_000_FORMER_PORT_MOBIL_TERMINAL.aprx - USER: dfm - LAST SAVED: 10/22/2024 1:45 PM



LEGEND

- BERM_PROPOSED_SAMPLE
- SAMPLING GRID BOUNDARY
- PROJECT SITE BOUNDARY
- PREVIOUSLY SAMPLED BERMS 12 & 16 AT 1,000 CY PER SAMPLE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE; NEARMAP, JUNE 20, 2024.

0 150 300
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING LOCATIONS

MAY 2025

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_12\208988_BERM_SAMPLING\208988_BERM_SAMPLING.aprx - USER: dfm - LAST SAVED: 11/26/2024 1:43 PM

9D_0-5	9D 9D_0-5 04/02/2025 460-323526-7
Metals (mg/kg)	
Copper	**980**

10D_6-12	10D 10D_6-12 04/02/2025 460-323526-16
Metals (mg/kg)	
Copper	**288**

LEGEND

- BERM_PROPOSED_SAMPLE
- SAMPLING GRID BOUNDARY
- PROJECT SITE BOUNDARY
- PREVIOUSLY SAMPLED BERMS 12 & 16 AT 1,000 CY PER SAMPLE
- GRID WITH CUSCO EXCEEDANCE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
2. AERIAL IMAGERY SOURCE: NEARMAP, JUNE 20, 2024
3. SOIL ANALYTICAL RESULTS ARE COMPARED TO THE NYSDEC PART 375 COMMERCIAL USE SOIL CLEANUP OBJECTIVES (CUSCOs).
4. ALL EXCEEDANCES OF THE CUSCOs ARE INDICATED ON THE FIGURE.

0 150 300
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING RESULTS EXCEEDANCE MAP

MAY 2025

FIGURE 4

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\0208988\GIS\Maps\2024_12\208988_BERM_SAMPLING\208988_BERM_SAMPLING.aprx - USER: dfm - LAST SAVED: 11/26/2024 1:43 PM

ATTACHMENT 1
Berm Sampling Summary Memo for Berms 12 and 16

H & A OF NEW YORK ENGINEERING
AND GEOLOGY, LLP
213 W. 35th Street
7th Floor
New York, NY 10001
646.277.5685

TECHNICAL MEMORANDUM

14 March 2025
File No. 0208988

TO: Remedial Bureau B, Section D
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, Floor 12
Albany, New York 12233
Corrective Action Section

Land and Redevelopment Programs Branch
Land, Chemicals & Redevelopment Division
U.S. Environmental Protection Agency Region 2
290 Broadway, 25th Floor
New York, New York 10007-1866

ATTENTION: Rafi Alam, Project Manager, NYSDEC
Andy Park, Project Manager, USEPA

FROM: H & A of New York Engineering and Geology, LLP
Thomas R. Giordano, Project Manager
Suzanne M. Bell, P.E., Senior Associate
Sarah A. Commisso, G.I.T., Assistant Project Manager

SUBJECT: Berm Sampling for On-Site Reuse Summary
Interim Remedial Measures (IRM) 1
Former Port Mobil Terminal (243016)

On 15 January 2025, the Berm Sampling Work Plan, dated 27 December 2024 and prepared by H & A of New York Engineering and Geology, LLP (Haley & Aldrich of New York), was approved by the New York State Department of Environmental Conservation (NYSDEC) and the United States Environmental Protection Agency (USEPA) for the sampling of berm material at the Former Port Mobil Terminal (also known as Kinder Morgan Staten Island [KM]) located at 4101 Arthur Kill Road in Staten Island, New York (the "Site," Figure 1). This berm material is proposed for on-Site reuse to support the future development and Site-wide remediation.

Sampling of the berms around AST 12 and AST 16 (Berms 12 and 16) was conducted at the Site from 23 January 2025 to 17 February 2025. Two composite samples and seven discrete samples were collected per every 1,000 cubic yards of material, which equates to a total of 40 composite samples and 140

discrete samples. The grid and sample locations are shown on Figure 2. Composite samples were analyzed for the following parameters:

- Target Compound List (TCL) Semi-Volatile Organic Compounds (SVOCs);
- Target Analyte List (TAL) Total Metals;
- Polychlorinated Biphenyls (PCBs);
- Pesticides; and,
- Per- and polyfluoroalkyl substances (PFAS).

Discrete soil samples were analyzed for TCL volatile organic compounds (VOCs).

Samples were collected in laboratory-prepared sample bottles (pre-preserved when appropriate), placed in ice-packed coolers maintained at approximately 4 degrees Celsius under standard chain of custody procedures, and transported to Eurofins Scientific (Eurofins) of Edison, New Jersey (Certification No. 12028).

RESULTS SUMMARY

In accordance with the Berm Sampling Workplan, results were compared to the applicable NYSDEC Part 375 Commercial Use Soil Cleanup Objectives (CUSCOs) and the NYSDEC Sampling, Analysis, and Assessment of PFAS (NYSDEC, 2023) guidance values.

Results indicate that there were no exceedances of the CUSCOs and PFAS guidance values.

Laboratory analytical reports are included as Attachment 1. A summary table of the results for Berms 12 and 16 are included as Tables 1 and 2, respectively.

CONCLUSION

The analytical results of Berms 12 and 16 indicate that the berm material does not exceed CUSCOs or PFAS guidance values. As such, Haley & Aldrich of New York is requesting that the sampling frequency be reduced from every 1,000 cubic yards to every 2,000 cubic yards of material. This would apply for the remaining berm sampling proposed for reuse outlined in the approved Berm Sampling Work Plan.

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely yours,
H & A OF NEW YORK ENGINEERING AND GEOLOGY, LLP

Thomas R. Giordano	Suzanne M. Bell, P.E.	Sarah A. Commisso, G.I.T.
Project Manager	Senior Associate	Assistant Project Manager

Attachments:

Table 1 – Summary of Soil Quality Data – Berm 12
Table 2 – Summary of Soil Quality Data – Berm 16
Figure 1 – Site Map
Figure 2 – Berm Sampling Locations
Attachment 1 – Analytical Laboratory Reports

https://haleyaldrich.sharepoint.com/sites/NorthPointDevelopment/Shared Documents/0208988.FORMER PORT MOBIL TERMINAL/Deliverables/28. Berm Sampling Summary Report/Berm Summary Memo/2025-0313_HANY_Port Mobil_Berm Sampling Summary Memo.docx

TABLES

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12A	12A	12A1	12A1	12A2	12A2	12A2	12A3	12A3	12B	12B	12B1	12B1	12B1	12B2	12B2	12B2	12B3
Sample Name	Commercial	12A_0-5	12A_5-10	12A1_1-2	12A1-7-8	12A2_1-2	12A2-4-5	12A2_9-10	12A3_1-2	12A3_5-6	12B_0-5	12B_5-10	12B1_2-3	12B1_4-5	12B1_6-7	12B2_2-3	12B2_6-7	12B2_8-9	12B3_4-5
Sample Date	Use	01/27/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	02/17/2025	02/17/2025	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319407-16	460-319407-17	460-320634-47	460-319407-14	460-320634-48	460-319407-15	460-320634-51	460-320634-49	460-320634-50	460-319240-11	460-319240-12	460-319408-1	460-319240-6	460-319408-2	460-319408-3	460-319240-1	460-319408-4	460-319408-5
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	1 - 2 (ft)	4 - 5 (ft)	9 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 1 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	2 - 3 (ft)	6 - 7 (ft)	8 - 9 (ft)	4 - 5 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073) *	ND (0.00074)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,1,2-Trichloroethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,1-Dichloroethane	240	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,1-Dichloroethene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	0.00034 J	0.0033	ND (0.00079)	0.00027 J	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00088)	ND (0.00095) *	ND (0.0014) *	ND (0.0011) *	ND (0.0013) *	ND (0.0013) *	ND (0.0011) *	-	-	ND (0.0011)	ND (0.00097) *	ND (0.00079)	ND (0.00076)	ND (0.00092) *	ND (0.00073)	ND (0.00074)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2-Dichlorobenzene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2-Dichloroethane	30	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	0.0019	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,2-Dichloropropane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,3-Dichlorobenzene	280	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
1,4-Dichlorobenzene	130	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0044)	ND (0.0047)	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0063)	ND (0.0053)	-	-	ND (0.0056)	0.017	0.0019 J	ND (0.0038)	0.0078	ND (0.0037)	ND (0.0037)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0044)	ND (0.0047)	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0063)	ND (0.0053)	-	-	ND (0.0056) *	ND (0.0048)	ND (0.004) *	ND (0.0038) *	ND (0.0046)	ND (0.0037) *	ND (0.0037) *
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.039	ND (0.00079)	ND (0.00076)	0.0013	ND (0.00073)	ND (0.00074)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0044)	ND (0.0047)	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0063)	ND (0.0053)	-	-	ND (0.0056) *	ND (0.0048)	ND (0.004) *	ND (0.0038) *	ND (0.0046)	ND (0.0037) *	ND (0.0037) *
Acetone	500	-	-	ND (0.0053)	ND (0.0057)	ND (0.0084)	ND (0.0067)	ND (0.0077)	ND (0.0075)	ND (0.0063)	-	-	ND (0.0067)	0.071	0.041	ND (0.0046)	0.086	0.022	ND (0.0044)
Benzene	44	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.00059 J	ND (0.00079)	0.00028 J	ND (0.00092)	ND (0.00073)	ND (0.00074)
Bromodichloromethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Bromoform	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0018)	ND (0.0019)	ND (0.0028) *	ND (0.0022)	ND (0.0026) *	ND (0.0025) *	ND (0.0021) *	-	-	ND (0.0022) *	ND (0.0019)	ND (0.0016) *	ND (0.0015) *	ND (0.0018)	ND (0.0015)	ND (0.0015) *
Carbon disulfide	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	0.00026 J	ND (0.00076)	0.00025 J	ND (0.00073)	ND (0.00074)
Carbon tetrachloride	22	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Chlorobenzene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Chlorobromomethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Chloroethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Chloroform (Trichloromethane)	350	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
cis-1,2-Dichloroethene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Cyclohexane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.0041	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Dibromochloromethane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Ethylbenzene	390	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.0003 J	ND (0.00079)	0.00017 J	ND (0.00092)	ND (0.00073)	ND (0.00074)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.0082	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
m,p-Xylenes	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	0.00055 J	ND (0.00097)	ND (0.00079)	0.0005 J	ND (0.00092)	ND (0.00073)	0.0002 J
Methyl acetate	NA	-	-	ND (0.0044)	ND (0.0047)	ND (0.007)	ND (0.0056)	ND (0.0064)	ND (0.0063)	ND (0.0053)	-	-	ND (0.0056)	ND (0.0048)	ND (0.004)	ND (0.0038)	ND (0.0046)	ND (0.0037)	ND (0.0037)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Methylcyclohexane	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.025	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0018)	0.0026	0.002 J	0.0033	ND (0.0026)	0.0017 J	ND (0.0021)	-	-	0.002 J	ND (0.0019)	ND (0.0016)	ND (0.0015)	0.0012 J	ND (0.0015)	ND (0.0015)
n-Butylbenzene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.025	ND (0.00079)	ND (0.00076)	0.00037 J	ND (0.00073)	ND (0.00074)
n-Propylbenzene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	0.0002 J	0.015	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
o-Xylene	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	0.00026 J	ND (0.00097)	ND (0.00079)	0.00018 J	ND (0.00092)	ND (0.00073)	ND (0.00074)
Styrene	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
tert-Butylbenzene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	0.0018	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Tetrachloroethene	150	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Toluene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	0.00032 J	0.00054 J	ND (0.00079)	0.00026 J	ND (0.00092)	ND (0.00073)	ND (0.00074)
trans-1,2-Dichloroethene	500	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00088)	ND (0.00095) *	ND (0.0014)	ND (0.0011) *	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097) *	ND (0.00079)	ND (0.00076)	ND (0.00092) *	ND (0.00073)	ND (0.00074)
Trichloroethene	200	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014)	ND (0.0011)	ND (0.0013)	ND (0.0013)	ND (0.0011)	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014) *	ND (0.0011)	ND (0.0013) *	ND (0.0013) *	ND (0.0011) *	-	-	ND (0.0011)	ND (0.00097)	ND (0.00079)	ND (0.00076)	ND (0.00092)	ND (0.00073)	ND (0.00074)
Vinyl chloride	13	-	-	ND (0.00088)	ND (0.00095)	ND (0.0014) *	ND (0.0011)	ND (0.0013) *	ND (0.0013) *	ND (0.0011) *	-	-	ND (0.0011) *	ND (0.00097)	ND (0.00079) *	ND (0.00076) *	ND (0.00092)	ND (0.00073)	ND (0.00074) *
Xylene (Total)	500	-	-	ND (0.0018)	ND (0.0019)	ND (0.0028)	ND (0.0022)	ND (0.0026)	ND (0.0025)	ND (0.0021)	-	-	0.00081 J	ND (0.0019)	ND (0.0016)	0.00068 J	ND (0.0018)	ND (0.0015)	0.0002 J

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12A	12A	12A1	12A1	12A2	12A2	12A2	12A3	12A3	12B	12B	12B1	12B1	12B1	12B2	12B2	12B2	12B3
Sample Name	Commercial	12A_0-5	12A_5-10	12A1_1-2	12A1-7-8	12A2_1-2	12A2-4-5	12A2_9-10	12A3_1-2	12A3_5-6	12B_0-5	12B_5-10	12B1_2-3	12B1_4-5	12B1_6-7	12B2_2-3	12B2_6-7	12B2_8-9	12B3_4-5
Sample Date	Use	01/27/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	02/17/2025	02/17/2025	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319407-16	460-319407-17	460-320634-47	460-319407-14	460-320634-48	460-319407-15	460-320634-51	460-320634-49	460-320634-50	460-319240-11	460-319240-12	460-319408-1	460-319240-6	460-319408-2	460-319408-3	460-319240-1	460-319408-4	460-319408-5
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	1 - 2 (ft)	4 - 5 (ft)	9 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 1 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	2 - 3 (ft)	6 - 7 (ft)	8 - 9 (ft)	4 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.023 J	1.3	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15) *	ND (0.15) *	-	-	-	-	-	-	-	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.75)	-	-	-	-	-	-	-	ND (0.77)	ND (0.81)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	0.19 J	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	0.091 J	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	0.014 J	ND (0.04)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	0.017 J	0.013 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.012 J	ND (0.37)	-	-	-	-	-	-	-	0.022 J	ND (0.4)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	0.12 J	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.017 J	0.036 J	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.037 J	0.084 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.015 J	0.058 J	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	0.41	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.38) *	ND (0.4) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.16)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	0.017 J	ND (0.4)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-	ND (0.038)	ND (0.04)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.3)	ND (0.32)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	0.77	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-	ND (0.38)	ND (0.4)	-	-	-	-	-	-	-
Pyrene	500	0.0098 J	ND (0.37)	-	-	-	-	-	-	-	0.021 J	0.16 J	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12A	12A	12A1	12A1	12A2	12A2	12A2	12A3	12A3	12B	12B	12B1	12B1	12B1	12B2	12B2	12B2	12B3
Sample Name	Commercial	12A_0-5	12A_5-10	12A1_1-2	12A1-7-8	12A2_1-2	12A2-4-5	12A2_9-10	12A3_1-2	12A3_5-6	12B_0-5	12B_5-10	12B1_2-3	12B1_4-5	12B1_6-7	12B2_2-3	12B2_6-7	12B2_8-9	12B3_4-5
Sample Date	Use	01/27/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	02/17/2025	02/17/2025	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319407-16	460-319407-17	460-320634-47	460-319407-14	460-320634-48	460-319407-15	460-320634-51	460-320634-49	460-320634-50	460-319240-11	460-319240-12	460-319408-1	460-319240-6	460-319408-2	460-319408-3	460-319240-1	460-319408-4	460-319408-5
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	1 - 2 (ft)	4 - 5 (ft)	9 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 1 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	2 - 3 (ft)	6 - 7 (ft)	8 - 9 (ft)	4 - 5 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	5270	5100	-	-	-	-	-	-	-	5720	12100	-	-	-	-	-	-	-
Antimony	NA	0.56 J	0.54 J	-	-	-	-	-	-	-	0.34 J	0.43 J	-	-	-	-	-	-	-
Arsenic	16	6.8	7.2	-	-	-	-	-	-	-	5.2	7.1	-	-	-	-	-	-	-
Barium	400	40	34.9	-	-	-	-	-	-	-	48.8	39.3	-	-	-	-	-	-	-
Beryllium	590	0.43	0.46	-	-	-	-	-	-	-	0.69	0.55	-	-	-	-	-	-	-
Cadmium	9.3	0.26 J	0.15 J	-	-	-	-	-	-	-	0.17 J	0.22 J	-	-	-	-	-	-	-
Calcium	NA	1890	1670	-	-	-	-	-	-	-	1490	1110	-	-	-	-	-	-	-
Chromium	NA	15.2	12.9	-	-	-	-	-	-	-	19.5	23.3	-	-	-	-	-	-	-
Cobalt	NA	6.5	5.1	-	-	-	-	-	-	-	8	7.7	-	-	-	-	-	-	-
Copper	270	36.6	33	-	-	-	-	-	-	-	39.7	27.7	-	-	-	-	-	-	-
Iron	NA	16600	15400	-	-	-	-	-	-	-	18100	23700	-	-	-	-	-	-	-
Lead	1000	104	62.6	-	-	-	-	-	-	-	55	86.7	-	-	-	-	-	-	-
Magnesium	NA	2230	2120	-	-	-	-	-	-	-	2360	3370	-	-	-	-	-	-	-
Manganese	10000	205	199	-	-	-	-	-	-	-	207	201	-	-	-	-	-	-	-
Mercury	2.8	0.044	0.031	-	-	-	-	-	-	-	0.024	0.022	-	-	-	-	-	-	-
Nickel	310	12.9	10.9	-	-	-	-	-	-	-	20.1	16.9	-	-	-	-	-	-	-
Potassium	NA	745	776	-	-	-	-	-	-	-	757	1670	-	-	-	-	-	-	-
Selenium	1500	0.29 J	0.23 J	-	-	-	-	-	-	-	0.27 J	0.48 J	-	-	-	-	-	-	-
Silver	1500	0.21 J	0.19 J	-	-	-	-	-	-	-	0.11 J	0.14 J	-	-	-	-	-	-	-
Sodium	NA	60.4 J	50.4 J	-	-	-	-	-	-	-	71.7 J	111	-	-	-	-	-	-	-
Thallium	NA	0.077 J	0.073 J	-	-	-	-	-	-	-	0.079 J	0.12 J	-	-	-	-	-	-	-
Vanadium	NA	21	19.4	-	-	-	-	-	-	-	19.8	30.7	-	-	-	-	-	-	-
Zinc	10000	68.3	51.9	-	-	-	-	-	-	-	109	73.3	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0023)	ND (0.0024)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0077)	ND (0.0081)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.075)	-	-	-	-	-	-	-	ND (0.077)	ND (0.081)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12A	12A	12A1	12A1	12A2	12A2	12A2	12A3	12A3	12B	12B	12B1	12B1	12B1	12B2	12B2	12B2	12B3
Sample Name	Commercial	12A_0-5	12A_5-10	12A1_1-2	12A1-7-8	12A2_1-2	12A2-4-5	12A2_9-10	12A3_1-2	12A3_5-6	12B_0-5	12B_5-10	12B1_2-3	12B1_4-5	12B1_6-7	12B2_2-3	12B2_6-7	12B2_8-9	12B3_4-5
Sample Date	Use	01/27/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	01/27/2025	02/17/2025	02/17/2025	02/17/2025	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319407-16	460-319407-17	460-320634-47	460-319407-14	460-320634-48	460-319407-15	460-320634-51	460-320634-49	460-320634-50	460-319240-11	460-319240-12	460-319408-1	460-319240-6	460-319408-2	460-319408-3	460-319240-1	460-319408-4	460-319408-5
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	1 - 2 (ft)	4 - 5 (ft)	9 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 1 (ft)	2 - 3 (ft)	4 - 5 (ft)	6 - 7 (ft)	2 - 3 (ft)	6 - 7 (ft)	8 - 9 (ft)	4 - 5 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00337)	ND (0.00341)	-	-	-	-	-	-	-	ND (0.00478)	ND (0.00495)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00337)	ND (0.00341)	-	-	-	-	-	-	-	ND (0.00478)	ND (0.00495)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00067)	ND (0.00068)	-	-	-	-	-	-	-	ND (0.00096)	ND (0.00099)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00017 J	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00135)	ND (0.00137)	-	-	-	-	-	-	-	ND (0.00191)	ND (0.00198)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00135)	ND (0.00137)	-	-	-	-	-	-	-	ND (0.00191)	ND (0.00198)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00038)	ND (0.0004)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00038)	ND (0.0004)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00038)	ND (0.0004)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00038)	ND (0.0004)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00076)	ND (0.00079)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00056	0.00054	-	-	-	-	-	-	-	0.00012 J	0.00024	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00026	0.00024	-	-	-	-	-	-	-	0.000088 J	ND (0.0002)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00031	0.00028	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.00023	0.00019	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00223	0.00253	-	-	-	-	-	-	-	0.00014 J	0.00037	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000054 J	0.000059 J	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.0004	0.00047	-	-	-	-	-	-	-	ND (0.00019)	0.000075 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.0003	0.00022 J	-	-	-	-	-	-	-	ND (0.00038)	ND (0.0004)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000075 J	0.000068 J	-	-	-	-	-	-	-	ND (0.00019)	ND (0.0002)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00393	0.00328	-	-	-	-	-	-	-	0.00069	0.00083	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00609	0.00625	-	-	-	-	-	-	-	0.00169	0.00153	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Industrial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12C	12C	12C1	12C1	12C1	12C2	12C2	12C2	12C3	12D	12D	12D1	12D1	12D1	12D2	12D2	12D2	12D3
Sample Name	Commercial	12C_0-5	12C_5-10	12C1_1-2	12C1_3-4	12C1_7-8	12C2_2-3	12C2_4-5	12C2_8-9	12C3_8-9	12D_0-5	12D_5-10	12D1_1-2	12D1_5-6	12D1_7-8	12D2_4-5	12D2_5-6	12D2_8-9	12D3_3-4
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-13	460-319240-14	460-319408-6	460-319240-9	460-319408-7	460-319408-8	460-319408-9	460-319408-10	460-319240-7	460-319240-15	460-319240-16	460-319408-11	460-319408-12	460-319240-8	460-319240-10	460-319408-13	460-319408-14	460-319408-15
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 3 (ft)	4 - 5 (ft)	8 - 9 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	7 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098) *	ND (0.0011)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,1,2-Trichloroethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,1-Dichloroethane	240	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,1-Dichloroethene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2,4-Trimethylbenzene	190	-	-	0.00039 J	ND (0.0011)	0.0003 J	0.00013 J	0.00033 J	ND (0.00078)	ND (0.001)	-	-	0.0054	0.0035	0.0005 J	ND (0.00078)	0.0029	0.0028	ND (0.0011)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.0011)	ND (0.0011) *	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001) *	-	-	ND (0.001)	ND (0.00085)	ND (0.00093) *	ND (0.00078) *	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2-Dichlorobenzene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2-Dichloroethane	30	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,2-Dichloropropane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,3,5-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.0019	0.0012	ND (0.00093)	ND (0.00078)	0.0011	0.001	ND (0.0011)
1,3-Dichlorobenzene	280	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
1,4-Dichlorobenzene	130	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	0.0027 J	0.0094	ND (0.0055)	0.0023 J	0.0019 J	ND (0.0039)	0.005	-	-	0.02	0.022	0.023	0.0066	0.02	0.029	ND (0.0056)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0057) *	ND (0.0055)	ND (0.0055) *	ND (0.0026) *	ND (0.0029) *	ND (0.0039) *	ND (0.005)	-	-	ND (0.0052) *	ND (0.0042) *	ND (0.0046)	ND (0.0039)	ND (0.0041) *	ND (0.0049) *	ND (0.0056) *
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.017	0.012	0.0085	ND (0.00078)	0.011	0.014	ND (0.0011)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0057) *	ND (0.0055)	ND (0.0055) *	ND (0.0026) *	ND (0.0029) *	ND (0.0039) *	ND (0.005)	-	-	ND (0.0052) *	ND (0.0042) *	ND (0.0046)	ND (0.0039)	ND (0.0041) *	ND (0.0049) *	ND (0.0056) *
Acetone	500	-	-	0.04	0.06	0.032	0.024	0.027	0.019	0.032	-	-	0.11	0.13	0.11	0.042	0.096	0.12	0.013
Benzene	44	-	-	ND (0.0011)	0.00038 J	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	0.00058 J	0.00026 J	ND (0.00083)	ND (0.00098)	ND (0.0011)
Bromodichloromethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Bromoform	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0023) *	ND (0.0022)	ND (0.0022) *	ND (0.001) *	ND (0.0012) *	ND (0.0016) *	ND (0.002)	-	-	ND (0.0021) *	ND (0.0017) *	ND (0.0019)	ND (0.0016)	ND (0.0017) *	ND (0.002)	ND (0.0022) *
Carbon disulfide	NA	-	-	0.00037 J	0.0011	0.00047 J	0.00016 J	0.00076	ND (0.00078)	ND (0.001)	-	-	0.0028	0.0018	0.0017	ND (0.00078)	0.0015	0.0047	ND (0.0011)
Carbon tetrachloride	22	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Chlorobenzene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Chlorobromomethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Chloroethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Chloroform (Trichloromethane)	350	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
cis-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
cis-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Cyclohexane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	0.0047	ND (0.00078)	ND (0.00083)	ND (0.00098)	0.00033 J
Dibromochloromethane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Ethylbenzene	390	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	0.00014 J	ND (0.00078)	ND (0.001)	-	-	0.0014	0.00083 J	0.00045 J	ND (0.00078)	0.0006 J	0.00064 J	ND (0.0011)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.0059	0.0038	0.0044	ND (0.00078)	0.0032	0.0043	ND (0.0011)
m,p-Xylenes	NA	-	-	0.00054 J	ND (0.0011)	ND (0.0011)	0.00018 J	0.00047 J	ND (0.00078)	ND (0.001)	-	-	0.0046	0.0027	0.0019	0.00037 J	0.0022	0.002	0.00022 J
Methyl acetate	NA	-	-	ND (0.0057)	ND (0.0055)	ND (0.0055)	ND (0.0026)	ND (0.0029)	ND (0.0039)	ND (0.005)	-	-	ND (0.0052)	ND (0.0042)	ND (0.0046)	ND (0.0039)	0.0073	ND (0.0049)	ND (0.0056)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Methylcyclohexane	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.0074	0.011	0.064	ND (0.00078)	0.0042	0.011	0.0008 J
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0023)	ND (0.0022)	ND (0.0022)	ND (0.001)	ND (0.0012)	ND (0.0016)	ND (0.002)	-	-	0.0015 J	ND (0.0017)	0.004	ND (0.0016)	ND (0.0017)	ND (0.002)	ND (0.0022)
n-Butylbenzene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.014	0.0097	0.0055	ND (0.00078)	0.0089	0.011	ND (0.0011)
n-Propylbenzene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.0093	0.0063	0.0073	ND (0.00078)	0.0052	0.0077	ND (0.0011)
o-Xylene	NA	-	-	0.00025 J	ND (0.0011)	ND (0.0011)	ND (0.00052)	0.00019 J	ND (0.00078)	ND (0.001)	-	-	0.0023	0.0014	0.00066 J	ND (0.00078)	0.0013	0.0012	0.00026 J
Styrene	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
tert-Butylbenzene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	0.0026	0.0018	0.0013	ND (0.00078)	0.0017 *	0.0022	ND (0.0011)
Tetrachloroethene	150	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Toluene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	0.00015 J	ND (0.00078)	ND (0.001)	-	-	0.00059 J	0.0005 J	0.00072 J	0.0003 J	0.00038 J	0.00055 J	ND (0.0011)
trans-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
trans-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.0011) *	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001) *	-	-	ND (0.001)	ND (0.00085)	ND (0.00093) *	ND (0.00078) *	ND (0.00083)	ND (0.00098)	ND (0.0011)
Trichloroethene	200	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.0011)	ND (0.0011)	ND (0.0011)	ND (0.00052)	ND (0.00059)	ND (0.00078)	ND (0.001)	-	-	ND (0.001)	ND (0.00085)	ND (0.00093)	ND (0.00078)	ND (0.00083)	ND (0.00098)	ND (0.0011)
Vinyl chloride	13	-	-	ND (0.0011) *	ND (0.0011)	ND (0.0011) *	ND (0.00052) *	ND (0.00059) *	ND (0.00078) *	ND (0.001)	-	-	ND (0.001) *	ND (0.00085) *	ND (0.00093)	ND (0.00078)	ND (0.00083) *	ND (0.00098)	ND (0.0011) *
Xylene (Total)	500	-	-	0.00079 J	ND (0.0022)	ND (0.0022)	0.00018 J	0.00066 J	ND (0.0016)	ND (0.002)	-	-	0.0069	0.0041	0.0025	0.00037 J	0.0035	0.0031	0.00048 J

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12C	12C	12C1	12C1	12C1	12C2	12C2	12C2	12C3	12D	12D	12D1	12D1	12D1	12D2	12D2	12D2	12D3
Sample Name	Commercial	12C_0-5	12C_5-10	12C1_1-2	12C1_3-4	12C1_7-8	12C2_2-3	12C2_4-5	12C2_8-9	12C3_8-9	12D_0-5	12D_5-10	12D1_1-2	12D1_5-6	12D1_7-8	12D2_4-5	12D2_5-6	12D2_8-9	12D3_3-4
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-13	460-319240-14	460-319408-6	460-319240-9	460-319408-7	460-319408-8	460-319408-9	460-319408-10	460-319240-7	460-319240-15	460-319240-16	460-319408-11	460-319408-12	460-319240-8	460-319240-10	460-319408-13	460-319408-14	460-319408-15
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 3 (ft)	4 - 5 (ft)	8 - 9 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	7 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.17 J	0.016 J	-	-	-	-	-	-	-	ND (0.35)	0.44	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.77)	ND (0.77)	-	-	-	-	-	-	-	ND (0.71)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	0.023 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	0.15 J	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	0.075 J	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	500	0.012 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.38)	0.016 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.12 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	56	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	0.12 J	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.037 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	500	0.017 J	0.017 J	-	-	-	-	-	-	-	ND (0.35)	0.054 J	-	-	-	-	-	-	-
Fluorene	500	0.061 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	0.24 J	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.077)	ND (0.077)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.38) *	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.38)	0.0081 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.038)	ND (0.038)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.31)	ND (0.31)	-	-	-	-	-	-	-	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	0.12 J	0.022 J	-	-	-	-	-	-	-	0.022 J	0.35 J	-	-	-	-	-	-	-
Phenol	500	ND (0.38)	ND (0.38)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	500	0.033 J	0.016 J	-	-	-	-	-	-	-	0.01 J	0.16 J	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12C	12C	12C1	12C1	12C1	12C2	12C2	12C2	12C3	12D	12D	12D1	12D1	12D1	12D2	12D2	12D2	12D3
Sample Name	Commercial	12C_0-5	12C_5-10	12C1_1-2	12C1_3-4	12C1_7-8	12C2_2-3	12C2_4-5	12C2_8-9	12C3_8-9	12D_0-5	12D_5-10	12D1_1-2	12D1_5-6	12D1_7-8	12D2_4-5	12D2_5-6	12D2_8-9	12D3_3-4
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-13	460-319240-14	460-319408-6	460-319240-9	460-319408-7	460-319408-8	460-319408-9	460-319408-10	460-319240-7	460-319240-15	460-319240-16	460-319408-11	460-319408-12	460-319240-8	460-319240-10	460-319408-13	460-319408-14	460-319408-15
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 3 (ft)	4 - 5 (ft)	8 - 9 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	7 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7550	8240	-	-	-	-	-	-	-	3920	3850	-	-	-	-	-	-	-
Antimony	NA	0.24 J	0.23 J	-	-	-	-	-	-	-	0.25 J	0.7 J	-	-	-	-	-	-	-
Arsenic	16	4.5	5.4	-	-	-	-	-	-	-	3.6	7.6	-	-	-	-	-	-	-
Barium	400	79.6	96.9	-	-	-	-	-	-	-	37.3	21.2	-	-	-	-	-	-	-
Beryllium	590	0.61	0.67	-	-	-	-	-	-	-	0.4	0.42	-	-	-	-	-	-	-
Cadmium	9.3	0.15 J	0.14 J	-	-	-	-	-	-	-	ND (0.98)	0.57 J	-	-	-	-	-	-	-
Calcium	NA	1460	1490	-	-	-	-	-	-	-	1810	198	-	-	-	-	-	-	-
Chromium	NA	16.6	19.1	-	-	-	-	-	-	-	11.8	10	-	-	-	-	-	-	-
Cobalt	NA	6.5	8.6	-	-	-	-	-	-	-	4.3	20.7	-	-	-	-	-	-	-
Copper	270	29.5	30	-	-	-	-	-	-	-	23.3	36.3	-	-	-	-	-	-	-
Iron	NA	17500	19400	-	-	-	-	-	-	-	11300	13500	-	-	-	-	-	-	-
Lead	1000	22.2	19.9	-	-	-	-	-	-	-	60.9	47.9	-	-	-	-	-	-	-
Magnesium	NA	2890	3380	-	-	-	-	-	-	-	1830	1090	-	-	-	-	-	-	-
Manganese	10000	228	264	-	-	-	-	-	-	-	154	57.6	-	-	-	-	-	-	-
Mercury	2.8	0.016 J	0.01 J	-	-	-	-	-	-	-	0.012 J	0.044	-	-	-	-	-	-	-
Nickel	310	13.3	16.1	-	-	-	-	-	-	-	11.6	8.1	-	-	-	-	-	-	-
Potassium	NA	911	1150	-	-	-	-	-	-	-	642	598	-	-	-	-	-	-	-
Selenium	1500	0.34 J	0.28 J	-	-	-	-	-	-	-	0.17 J	0.46 J	-	-	-	-	-	-	-
Silver	1500	0.11 J	0.11 J	-	-	-	-	-	-	-	0.098 J	0.2 J	-	-	-	-	-	-	-
Sodium	NA	75.6 J	154	-	-	-	-	-	-	-	51.4 J	ND (99.1)	-	-	-	-	-	-	-
Thallium	NA	0.13 J	0.17 J	-	-	-	-	-	-	-	0.055 J	0.051 J	-	-	-	-	-	-	-
Vanadium	NA	24.8	26.4	-	-	-	-	-	-	-	15.6	18.1	-	-	-	-	-	-	-
Zinc	10000	43.9	47.4	-	-	-	-	-	-	-	43.6	50.6	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0023)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0077)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0071)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.077)	ND (0.078)	-	-	-	-	-	-	-	ND (0.071)	ND (0.074)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level NY Part 375	12C	12C	12C1	12C1	12C1	12C2	12C2	12C2	12C3	12D	12D	12D1	12D1	12D1	12D2	12D2	12D2	12D3
Sample Name	Commercial	12C_0-5	12C_5-10	12C1_1-2	12C1_3-4	12C1_7-8	12C2_2-3	12C2_4-5	12C2_8-9	12C3_8-9	12D_0-5	12D_5-10	12D1_1-2	12D1_5-6	12D1_7-8	12D2_4-5	12D2_5-6	12D2_8-9	12D3_3-4
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-13	460-319240-14	460-319408-6	460-319240-9	460-319408-7	460-319408-8	460-319408-9	460-319408-10	460-319240-7	460-319240-15	460-319240-16	460-319408-11	460-319408-12	460-319240-8	460-319240-10	460-319408-13	460-319408-14	460-319408-15
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	2 - 3 (ft)	4 - 5 (ft)	8 - 9 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	5 - 6 (ft)	7 - 8 (ft)	4 - 5 (ft)	5 - 6 (ft)	8 - 9 (ft)	3 - 4 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.0048)	ND (0.00476)	-	-	-	-	-	-	-	ND (0.00433)	ND (0.00453)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.0048)	ND (0.00476)	-	-	-	-	-	-	-	ND (0.00433)	ND (0.00453)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00096)	ND (0.00095)	-	-	-	-	-	-	-	ND (0.00087)	ND (0.00091)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00192)	ND (0.0019)	-	-	-	-	-	-	-	ND (0.00173)	ND (0.00181)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00192)	ND (0.0019)	-	-	-	-	-	-	-	ND (0.00173)	ND (0.00181)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00038)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00035)	ND (0.00036)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00038)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00035)	ND (0.00036)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00038)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00035)	ND (0.00036)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00038)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00035)	ND (0.00036)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00077)	ND (0.00076)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00073)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	0.00021	0.0002	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	0.000062 J	ND (0.00018)	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.000057 J	ND (0.00019)	-	-	-	-	-	-	-	0.00072	0.00024	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	0.00016 J	0.000069 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00038)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00035)	ND (0.00036)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00019)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00017)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00015 JB*	ND (0.00019) *	-	-	-	-	-	-	-	0.00033	ND (0.00018) *	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00012 J	ND (0.00019)	-	-	-	-	-	-	-	0.0008	0.00174	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Industrial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12E	12E	12E1	12E1	12E1	12E2	12E2	12E3	12E3	12F	12F	12F	12F1	12F1	12F2	12F2	12F3	12F3
Sample Name	Commercial	12E_0-5	12E_5-10	12E1_1-2	12E1_6-7	12E1_9-10	12E2_4-5	12E2_6-7	12E3_3-4	12E3_9-10	12F_0-5	12F_5-10	12F2_6-7	12F1_2-3	12F1_5-6	12F2_4-5	12F2_8-9	12F3_1-2	12F3_6-7
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-17	460-319240-18	460-319408-16	460-319408-17	460-319408-18	460-319240-2	460-319408-19	460-319408-20	460-319240-4	460-319240-19	460-319240-20	460-319240-3	460-319408-21	460-319408-22	460-319240-5	460-319408-23	460-319408-24	460-319408-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	3 - 4 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	6 - 7 (ft)	2 - 3 (ft)	5 - 6 (ft)	4 - 5 (ft)	8 - 9 (ft)	1 - 2 (ft)	6 - 7 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00093)	ND (0.0009) *	ND (0.00089) *	ND (0.00076)	ND (0.00096) *	ND (0.00088) *	ND (0.074)	-	-	ND (0.00073)	ND (0.0007) *	ND (0.0012) *	ND (0.0031)	ND (0.0011) *	ND (0.0014) *	ND (0.001) *
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,1,2-Trichloroethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,1-Dichloroethane	240	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,1-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2,4-Trimethylbenzene	190	-	-	0.0038	0.017	0.011	0.00064 J	0.026	0.0043	0.43	-	-	0.0012	0.00058 J	0.00029 J	ND (0.0031)	0.0004 J	0.00063 J	0.00054 J
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076) *	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073) *	ND (0.0007)	ND (0.0012)	ND (0.0031) *	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2-Dichlorobenzene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2-Dichloroethane	30	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,2-Dichloropropane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,3,5-Trimethylbenzene	190	-	-	0.0011	0.0066	0.0038	0.00037 J	0.0091	0.0013	0.18	-	-	0.00025 J	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,3-Dichlorobenzene	280	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
1,4-Dichlorobenzene	130	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	0.0087	0.016	0.018	0.016	0.018	0.01	ND (0.37)	-	-	0.02	0.0086	0.0075	0.018	0.0087	0.0067 J	0.0097
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0047) *	ND (0.0045) *	ND (0.0045) *	ND (0.0038)	ND (0.0048) *	ND (0.0044) *	ND (0.37)	-	-	ND (0.0036)	ND (0.0035) *	ND (0.0058) *	ND (0.016)	ND (0.0054) *	ND (0.007) *	ND (0.005) *
2-Phenylbutane (sec-Butylbenzene)	500	-	-	0.00047 J	0.00071 J	0.00047 J	ND (0.00076)	0.00091 J	0.00046 J	ND (0.074)	-	-	0.00098	0.00022 J	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	0.00029 J
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0047) *	ND (0.0045) *	ND (0.0045) *	ND (0.0038)	ND (0.0048) *	ND (0.0044) *	ND (0.37)	-	-	ND (0.0036)	ND (0.0035) *	ND (0.0058) *	ND (0.016)	ND (0.0054) *	ND (0.007) *	ND (0.005) *
Acetone	500	-	-	0.05	0.064	0.072	0.081	0.065	0.064	ND (0.37)	-	-	0.15	0.057	0.058	0.12	0.07	0.056	0.063
Benzene	44	-	-	0.003	0.0073	0.012	0.018	0.0095	0.0028	0.67	-	-	0.068	0.0008	0.0016	0.015	0.0015	0.00097 J	0.002
Bromodichloromethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Bromoform	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0019) *	ND (0.0018)	ND (0.0018)	ND (0.0015)	ND (0.0019)	ND (0.0018)	ND (0.074) *	-	-	ND (0.0015)	ND (0.0014)	ND (0.0023)	ND (0.0062)	ND (0.0021)	ND (0.0028)	ND (0.002)
Carbon disulfide	NA	-	-	0.0007 J	0.0011	0.0013	0.0011	0.0012	0.0007 J	ND (0.074) *	-	-	0.001	0.00049 J	0.0013	ND (0.0031)	0.001 J	0.0012 J	0.0013
Carbon tetrachloride	22	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Chlorobenzene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Chlorobromomethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Chloroethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Chloroform (Trichloromethane)	350	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
cis-1,2-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Cyclohexane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	0.0038	ND (0.00096)	0.00088	0.47 *	-	-	0.012	ND (0.0007)	0.00084 J	0.0012 J	ND (0.0011)	0.00056 J	ND (0.001)
Dibromochloromethane	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Ethylbenzene	390	-	-	0.0018	0.011	0.012	0.00033 J	0.022	0.0021	0.52	-	-	0.0022	0.00021 J	0.00026 J	0.0016 J	0.00022 J	ND (0.0014)	0.00028 J
Isopropylbenzene (Cumene)	NA	-	-	0.00037 J	0.0019	0.0011	ND (0.00076)	0.0023	0.00041 J	0.039 J	-	-	0.0012	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
m,p-Xylenes	NA	-	-	0.0054	0.036	0.033	0.0006 J	0.065	0.0064	1.6	-	-	0.0035	0.00065 J	0.00051 J	0.0023 J	0.00049 J	0.00058 J	0.00063 J
Methyl acetate	NA	-	-	ND (0.0047)	ND (0.0045)	ND (0.0045)	ND (0.0038)	ND (0.0048)	ND (0.0044)	0.1 J	-	-	ND (0.0036)	ND (0.0035)	ND (0.0058)	ND (0.016)	ND (0.0054)	ND (0.007)	ND (0.005)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00093)	0.00096	0.001	ND (0.00076)	0.0011	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Methylcyclohexane	NA	-	-	0.0011	0.05	0.015	0.0038	0.028	0.00068 J	0.54	-	-	0.0067	ND (0.0007)	0.0007 J	ND (0.0031)	ND (0.0011)	ND (0.0014)	0.0018
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0019)	ND (0.0018)	ND (0.0018)	0.0013 J	ND (0.0019)	ND (0.0018)	ND (0.074)	-	-	ND (0.0015)	ND (0.0014)	0.0014 J	ND (0.0062)	ND (0.0021)	ND (0.0028)	0.0011 J
n-Butylbenzene	500	-	-	0.0004 J	0.00083 J	0.00058 J	ND (0.00076)	0.0011	0.0004 J	ND (0.074)	-	-	0.00027 J	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
n-Propylbenzene	500	-	-	0.00088 J	0.0052	0.0026	ND (0.00076)	0.0063	0.00093	0.12	-	-	0.001	0.00021 J	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	0.00021 J
o-Xylene	NA	-	-	0.0024	0.011	0.012	ND (0.00076)	0.02	0.0029	0.49	-	-	0.0013	0.00037 J	ND (0.0012)	0.0015 J	0.00023 J	0.00035 J	0.00028 J
Styrene	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031) *	ND (0.0011)	ND (0.0014)	ND (0.001)
tert-Butylbenzene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031) *	ND (0.0011)	ND (0.0014)	ND (0.001)
Tetrachloroethene	150	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Toluene	500	-	-	0.0016	0.0044	0.0077	0.00086	0.01	0.0011	0.52	-	-	0.0041	0.00025 J	0.00039 J	0.0015 J	0.00034 J	0.00038 J	0.00039 J
trans-1,2-Dichloroethene	500	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076) *	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073) *	ND (0.0007)	ND (0.0012)	ND (0.0031) *	ND (0.0011)	ND (0.0014)	ND (0.001)
Trichloroethene	200	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00093)	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074) *	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Vinyl chloride	13	-	-	ND (0.00093) *	ND (0.0009)	ND (0.00089)	ND (0.00076)	ND (0.00096)	ND (0.00088)	ND (0.074)	-	-	ND (0.00073)	ND (0.0007)	ND (0.0012)	ND (0.0031)	ND (0.0011)	ND (0.0014)	ND (0.001)
Xylene (Total)	500	-	-	0.0077	0.047	0.045	0.0006 J	0.086	0.0093	2.1	-	-	0.0048	0.001 J	0.00051 J	0.0038 J	0.00072 J	0.00093 J	0.00092 J

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12E	12E	12E1	12E1	12E1	12E2	12E2	12E3	12E3	12F	12F	12F	12F1	12F1	12F2	12F2	12F3	12F3
Sample Name	Commercial	12E_0-5	12E_5-10	12E1_1-2	12E1_6-7	12E1_9-10	12E2_4-5	12E2_6-7	12E3_3-4	12E3_9-10	12F_0-5	12F_5-10	12F2_6-7	12F1_2-3	12F1_5-6	12F2_4-5	12F2_8-9	12F3_1-2	12F3_6-7
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-17	460-319240-18	460-319408-16	460-319408-17	460-319408-18	460-319240-2	460-319408-19	460-319408-20	460-319240-4	460-319240-19	460-319240-20	460-319240-3	460-319408-21	460-319408-22	460-319240-5	460-319408-23	460-319408-24	460-319408-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	3 - 4 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	6 - 7 (ft)	2 - 3 (ft)	5 - 6 (ft)	4 - 5 (ft)	8 - 9 (ft)	1 - 2 (ft)	6 - 7 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	-	ND (0.14)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	-	ND (0.14)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.018 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	-	ND (0.14)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.73)	ND (0.77)	-	-	-	-	-	-	-	-	ND (0.71)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Acenaphthylene	500	0.017 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Anthracene	500	0.046 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	-	ND (0.14)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	0.074	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.076	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.087	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.079 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	0.027 J	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Chrysene	56	0.084 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.02 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Fluoranthene	500	0.17 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Fluorene	500	0.024 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	0.054	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	-	ND (0.14)	-	-	-	-	-	-	-
Naphthalene	500	0.014 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	-	ND (0.035)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	-	ND (0.28)	-	-	-	-	-	-	-
Phenanthrene	500	0.16 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-
Pyrene	500	0.22 J	ND (0.38)	-	-	-	-	-	-	-	-	ND (0.35)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12E	12E	12E1	12E1	12E1	12E2	12E2	12E3	12E3	12F	12F	12F	12F1	12F1	12F2	12F2	12F3	12F3
Sample Name	Commercial	12E_0-5	12E_5-10	12E1_1-2	12E1_6-7	12E1_9-10	12E2_4-5	12E2_6-7	12E3_3-4	12E3_9-10	12F_0-5	12F_5-10	12F2_6-7	12F1_2-3	12F1_5-6	12F2_4-5	12F2_8-9	12F3_1-2	12F3_6-7
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-17	460-319240-18	460-319408-16	460-319408-17	460-319408-18	460-319240-2	460-319408-19	460-319408-20	460-319240-4	460-319240-19	460-319240-20	460-319240-3	460-319408-21	460-319408-22	460-319240-5	460-319408-23	460-319408-24	460-319408-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	3 - 4 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	6 - 7 (ft)	2 - 3 (ft)	5 - 6 (ft)	4 - 5 (ft)	8 - 9 (ft)	1 - 2 (ft)	6 - 7 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	6860	7000	-	-	-	-	-	-	-	-	7340	-	-	-	-	-	-	-
Antimony	NA	0.52 J	0.28 J	-	-	-	-	-	-	-	-	0.22 J	-	-	-	-	-	-	-
Arsenic	16	5.9	4.7	-	-	-	-	-	-	-	-	5.1	-	-	-	-	-	-	-
Barium	400	55.5	24.6	-	-	-	-	-	-	-	-	30.3	-	-	-	-	-	-	-
Beryllium	590	0.8	0.35 J	-	-	-	-	-	-	-	-	0.39	-	-	-	-	-	-	-
Cadmium	9.3	0.3 J	ND (1.1)	-	-	-	-	-	-	-	-	0.19 J	-	-	-	-	-	-	-
Calcium	NA	1970	247	-	-	-	-	-	-	-	-	351	-	-	-	-	-	-	-
Chromium	NA	22.5	10.4	-	-	-	-	-	-	-	-	14.8	-	-	-	-	-	-	-
Cobalt	NA	8.4	5.3	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-	-	-
Copper	270	60.4	29.6	-	-	-	-	-	-	-	-	21.4	-	-	-	-	-	-	-
Iron	NA	19800	14300	-	-	-	-	-	-	-	-	18100	-	-	-	-	-	-	-
Lead	1000	140	44.8	-	-	-	-	-	-	-	-	25.5	-	-	-	-	-	-	-
Magnesium	NA	2720	1300	-	-	-	-	-	-	-	-	1620	-	-	-	-	-	-	-
Manganese	10000	222	141	-	-	-	-	-	-	-	-	302	-	-	-	-	-	-	-
Mercury	2.8	0.04	0.0092 J	-	-	-	-	-	-	-	-	0.013 J	-	-	-	-	-	-	-
Nickel	310	27.8	8.2	-	-	-	-	-	-	-	-	13.5	-	-	-	-	-	-	-
Potassium	NA	754	638	-	-	-	-	-	-	-	-	698	-	-	-	-	-	-	-
Selenium	1500	0.48 J	0.22 J	-	-	-	-	-	-	-	-	0.33 J	-	-	-	-	-	-	-
Silver	1500	0.2 J	ND (0.42)	-	-	-	-	-	-	-	-	ND (0.39)	-	-	-	-	-	-	-
Sodium	NA	139	ND (106)	-	-	-	-	-	-	-	-	45.9 J	-	-	-	-	-	-	-
Thallium	NA	0.092 J	0.066 J	-	-	-	-	-	-	-	-	0.073 J	-	-	-	-	-	-	-
Vanadium	NA	28.5	17.8	-	-	-	-	-	-	-	-	23.2	-	-	-	-	-	-	-
Zinc	10000	140	41.9	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Endrin	89	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	-	ND (0.0021)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0073)	ND (0.0077)	-	-	-	-	-	-	-	-	ND (0.0071)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.073)	ND (0.077)	-	-	-	-	-	-	-	-	ND (0.071)	-	-	-	-	-	-	-

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FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12E	12E	12E1	12E1	12E1	12E2	12E2	12E3	12E3	12F	12F	12F	12F1	12F1	12F2	12F2	12F3	12F3
Sample Name	Commercial	12E_0-5	12E_5-10	12E1_1-2	12E1_6-7	12E1_9-10	12E2_4-5	12E2_6-7	12E3_3-4	12E3_9-10	12F_0-5	12F_5-10	12F2_6-7	12F1_2-3	12F1_5-6	12F2_4-5	12F2_8-9	12F3_1-2	12F3_6-7
Sample Date	Use	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/23/2025	01/23/2025	01/23/2025	01/27/2025	01/27/2025	01/23/2025	01/27/2025	01/27/2025	01/27/2025
Lab Sample ID	Soil Cleanup	460-319240-17	460-319240-18	460-319408-16	460-319408-17	460-319408-18	460-319240-2	460-319408-19	460-319408-20	460-319240-4	460-319240-19	460-319240-20	460-319240-3	460-319408-21	460-319408-22	460-319240-5	460-319408-23	460-319408-24	460-319408-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	6 - 7 (ft)	9 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	3 - 4 (ft)	9 - 10 (ft)	0 - 5 (ft)	5 - 10 (ft)	6 - 7 (ft)	2 - 3 (ft)	5 - 6 (ft)	4 - 5 (ft)	8 - 9 (ft)	1 - 2 (ft)	6 - 7 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00453)	ND (0.00479)	-	-	-	-	-	-	-	ND (0.00484)	ND (0.00441)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00453)	ND (0.00479)	-	-	-	-	-	-	-	ND (0.00484)	ND (0.00441)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00091)	ND (0.00096)	-	-	-	-	-	-	-	ND (0.00097)	ND (0.00088)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	0.00024 J	ND (0.00071)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.0019	ND (0.00077)	-	-	-	-	-	-	-	0.00396	ND (0.00071)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00181)	ND (0.00192)	-	-	-	-	-	-	-	ND (0.00193)	ND (0.00176)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00181)	ND (0.00192)	-	-	-	-	-	-	-	ND (0.00193)	ND (0.00176)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00036)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00039)	ND (0.00035)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00036)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00039)	ND (0.00035)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00036)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00039)	ND (0.00035)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00036)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00039)	ND (0.00035)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00072)	ND (0.00077)	-	-	-	-	-	-	-	ND (0.00077)	ND (0.00071)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00074	ND (0.00019)	-	-	-	-	-	-	-	0.00078	ND (0.00018)	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00021	ND (0.00019)	-	-	-	-	-	-	-	0.00022	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000091 J	0.00024	-	-	-	-	-	-	-	0.00022	0.00008 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	ND (0.00018)	0.00016 J	-	-	-	-	-	-	-	0.00013 J	0.00007 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00581	0.00127	-	-	-	-	-	-	-	0.012	0.00016 J	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	ND (0.00018)	0.000065 J	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00034	0.00049	-	-	-	-	-	-	-	0.00092	0.00011 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00019)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00036)	0.00019 J	-	-	-	-	-	-	-	0.00012 J	ND (0.00035)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000067 J	ND (0.00019)	-	-	-	-	-	-	-	0.000073 J	ND (0.00018)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00653 B*	0.00005 JB*	-	-	-	-	-	-	-	0.0073 B*	ND (0.00018) *	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00999	ND (0.00019)	-	-	-	-	-	-	-	0.0113	ND (0.00018)	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Industrial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12G	12G	12G1	12G1	12G2	12G2	12G2	12G3	12G3	12H	12H	12H1	12H1	12H2	12H2	12H3	12H3	12H3
Sample Name	Commercial	12G_0-5	12G_5-10	12G1_2-3	12G1_5-6	12G2_3-4	12G2_4-5	12G2_6-7	12G3_1-2	12G3_5-6	12H_0-5	12H_5-10	12H1_3-4	12H1_8-9	12H2_7-8	12H2_9-10	12H3_1-2	12H3_8-9	12H3_9-10
Sample Date	Use	01/24/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/27/2025	01/27/2025	01/24/2025	01/24/2025	01/24/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-5	460-319288-6	460-319408-26	460-319288-17	460-319408-27	460-319288-18	460-319408-28	460-319408-29	460-319408-30	460-319288-7	460-319288-8	460-319288-16	460-320634-35	460-319288-15	460-320634-34	460-320634-31	460-320634-33	460-320634-32
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	3 - 4 (ft)	4 - 5 (ft)	6 - 7 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	7 - 8 (ft)	9 - 10 (ft)	1 - 2 (ft)	8 - 9 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.0011) *	ND (0.001)	ND (0.00098) *	ND (0.0012)	ND (0.001) *	ND (0.00069) *	ND (0.00071) *	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,1,2-Trichloroethane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,1-Dichloroethane	240	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,1-Dichloroethene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2,4-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.0011)	ND (0.001) *	ND (0.00098)	ND (0.0012) *	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087) *	ND (0.0009)	ND (0.001) *	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2-Dichlorobenzene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2-Dichloroethane	30	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,2-Dichloropropane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,3,5-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,3-Dichlorobenzene	280	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
1,4-Dichlorobenzene	130	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0055)	ND (0.0052)	ND (0.0049)	ND (0.0061)	ND (0.0051)	ND (0.0034)	0.0048	-	-	ND (0.0044)	ND (0.0045)	ND (0.0051)	0.017	0.002 J	ND (0.0049)	ND (0.0042)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0055) *	ND (0.0052)	ND (0.0049) *	ND (0.0061)	ND (0.0051) *	ND (0.0034) *	ND (0.0035) *	-	-	ND (0.0044)	ND (0.0045)	ND (0.0051)	ND (0.005)	ND (0.007)	ND (0.0049)	ND (0.0042)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0055) *	ND (0.0052) *	ND (0.0049) *	ND (0.0061) *	ND (0.0051) *	ND (0.0034) *	ND (0.0035) *	-	-	ND (0.0044) *	ND (0.0045)	ND (0.0051) *	ND (0.005)	ND (0.007)	ND (0.0049)	ND (0.0042)
Acetone	500	-	-	0.0069	ND (0.0062)	0.0057 J	0.0077	0.035	0.019	0.035	-	-	ND (0.0052)	ND (0.0054)	ND (0.0061)	0.092	0.031	ND (0.0059)	ND (0.0051)
Benzene	44	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	0.0011	0.0015	0.00055 J	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Bromodichloromethane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Bromoform	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0022)	ND (0.0021)	ND (0.002)	ND (0.0024)	ND (0.0021)	ND (0.0014)	ND (0.0014)	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0028)	ND (0.002)	ND (0.0017)
Carbon disulfide	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	0.00034 J	ND (0.0014)	ND (0.00099)	ND (0.00085)
Carbon tetrachloride	22	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Chlorobenzene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Chlorobromomethane	NA	-	-	ND (0.0011)	ND (0.001) *	ND (0.00098)	ND (0.0012) *	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087) *	ND (0.0009)	ND (0.001) *	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Chloroethane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Chloroform (Trichloromethane)	350	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
cis-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
cis-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Cyclohexane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	0.0028	ND (0.001)	0.0059	0.00043 J	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Dibromochloromethane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Ethylbenzene	390	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
m,p-Xylenes	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	0.00034 J	ND (0.0014)	ND (0.00099)	ND (0.00085)
Methyl acetate	NA	-	-	ND (0.0055)	ND (0.0052) *	ND (0.0049)	ND (0.0061) *	ND (0.0051)	ND (0.0034)	ND (0.0035)	-	-	ND (0.0044) *	ND (0.0045)	ND (0.0051) *	ND (0.005)	0.015	ND (0.0049)	ND (0.0042)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Methylcyclohexane	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	0.0014	ND (0.001)	0.004	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0022)	ND (0.0021)	ND (0.002)	ND (0.0024)	ND (0.0021)	ND (0.0014)	ND (0.0014)	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	ND (0.002)	ND (0.0028)	ND (0.002)	0.0011 J
n-Butylbenzene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
n-Propylbenzene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
o-Xylene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Styrene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
tert-Butylbenzene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Tetrachloroethene	150	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Toluene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	0.00017 J	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
trans-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
trans-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Trichloroethene	200	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Vinyl chloride	13	-	-	ND (0.0011)	ND (0.001)	ND (0.00098)	ND (0.0012)	ND (0.001)	ND (0.00069)	ND (0.00071)	-	-	ND (0.00087)	ND (0.0009)	ND (0.001)	ND (0.00099)	ND (0.0014)	ND (0.00099)	ND (0.00085)
Xylene (Total)	500	-	-	ND (0.0022)	ND (0.0021)	ND (0.002)	ND (0.0024)	ND (0.0021)	ND (0.0014)	ND (0.0014)	-	-	ND (0.0017)	ND (0.0018)	ND (0.002)	0.00034 J	ND (0.0028)	ND (0.002)	ND (0.0017)

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12G	12G	12G1	12G1	12G2	12G2	12G2	12G3	12G3	12H	12H	12H1	12H1	12H2	12H2	12H3	12H3	12H3
Sample Name	Commercial	12G_0-5	12G_5-10	12G1_2-3	12G1_5-6	12G2_3-4	12G2_4-5	12G2_6-7	12G3_1-2	12G3_5-6	12H_0-5	12H_5-10	12H1_3-4	12H1_8-9	12H2_7-8	12H2_9-10	12H3_1-2	12H3_8-9	12H3_9-10
Sample Date	Use	01/24/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/27/2025	01/27/2025	01/24/2025	01/24/2025	01/24/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-5	460-319288-6	460-319408-26	460-319288-17	460-319408-27	460-319288-18	460-319408-28	460-319408-29	460-319408-30	460-319288-7	460-319288-8	460-319288-16	460-320634-35	460-319288-15	460-320634-34	460-320634-31	460-320634-33	460-320634-32
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	3 - 4 (ft)	4 - 5 (ft)	6 - 7 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	7 - 8 (ft)	9 - 10 (ft)	1 - 2 (ft)	8 - 9 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	0.012 J	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.76)	-	-	-	-	-	-	-	ND (0.73)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.012 J	0.014 J	-	-	-	-	-	-	-	0.011 J	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.019 J	0.013 J	-	-	-	-	-	-	-	0.016 J	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.029 J	0.014 J	-	-	-	-	-	-	-	0.024 J	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	0.05 J	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	0.018 J	0.014 J	-	-	-	-	-	-	-	0.016 J	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36) *	ND (0.38) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	0.011 J	ND (0.38)	-	-	-	-	-	-	-	0.0072 J	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	0.019 J	0.016 J	-	-	-	-	-	-	-	0.021 J	ND (0.37)	-	-	-	-	-	-	-

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SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12G	12G	12G1	12G1	12G2	12G2	12G2	12G3	12G3	12H	12H	12H1	12H1	12H2	12H2	12H3	12H3	12H3
Sample Name	Commercial	12G_0-5	12G_5-10	12G1_2-3	12G1_5-6	12G2_3-4	12G2_4-5	12G2_6-7	12G3_1-2	12G3_5-6	12H_0-5	12H_5-10	12H1_3-4	12H1_8-9	12H2_7-8	12H2_9-10	12H3_1-2	12H3_8-9	12H3_9-10
Sample Date	Use	01/24/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/27/2025	01/27/2025	01/24/2025	01/24/2025	01/24/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-5	460-319288-6	460-319408-26	460-319288-17	460-319408-27	460-319288-18	460-319408-28	460-319408-29	460-319408-30	460-319288-7	460-319288-8	460-319288-16	460-320634-35	460-319288-15	460-320634-34	460-320634-31	460-320634-33	460-320634-32
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	3 - 4 (ft)	4 - 5 (ft)	6 - 7 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	7 - 8 (ft)	9 - 10 (ft)	1 - 2 (ft)	8 - 9 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	6070	6930	-	-	-	-	-	-	-	6440	6940	-	-	-	-	-	-	-
Antimony	NA	0.61 J	0.32 J	-	-	-	-	-	-	-	0.59 J	0.72 J	-	-	-	-	-	-	-
Arsenic	16	8.6	6.5	-	-	-	-	-	-	-	7.3	8.4	-	-	-	-	-	-	-
Barium	400	44.6	61.3	-	-	-	-	-	-	-	50.4	56.6	-	-	-	-	-	-	-
Beryllium	590	0.7	0.74	-	-	-	-	-	-	-	1	0.68	-	-	-	-	-	-	-
Cadmium	9.3	0.27 J	0.14 J	-	-	-	-	-	-	-	0.3 J	0.24 J	-	-	-	-	-	-	-
Calcium	NA	1500	731	-	-	-	-	-	-	-	1630	8020	-	-	-	-	-	-	-
Chromium	NA	22.8	25.1	-	-	-	-	-	-	-	31.2	23.6	-	-	-	-	-	-	-
Cobalt	NA	8.4	9.3	-	-	-	-	-	-	-	9.7	8.1	-	-	-	-	-	-	-
Copper	270	56.5	40.7	-	-	-	-	-	-	-	73.3	49.7	-	-	-	-	-	-	-
Iron	NA	20100	18900	-	-	-	-	-	-	-	22200	19600	-	-	-	-	-	-	-
Lead	1000	96.8	49.1	-	-	-	-	-	-	-	149	90	-	-	-	-	-	-	-
Magnesium	NA	2350	2330	-	-	-	-	-	-	-	2320	6830	-	-	-	-	-	-	-
Manganese	10000	250	208	-	-	-	-	-	-	-	229	264	-	-	-	-	-	-	-
Mercury	2.8	0.038	0.021	-	-	-	-	-	-	-	0.032	0.02	-	-	-	-	-	-	-
Nickel	310	24.6	27.7	-	-	-	-	-	-	-	29.2	20.4	-	-	-	-	-	-	-
Potassium	NA	824	801	-	-	-	-	-	-	-	782	977	-	-	-	-	-	-	-
Selenium	1500	0.53 J	0.39 J	-	-	-	-	-	-	-	0.64 J	0.5 J	-	-	-	-	-	-	-
Silver	1500	0.22 J	0.13 J	-	-	-	-	-	-	-	0.27 J	0.26 J	-	-	-	-	-	-	-
Sodium	NA	83.8 J	80.5 J	-	-	-	-	-	-	-	129	110	-	-	-	-	-	-	-
Thallium	NA	0.084 J	0.13 J	-	-	-	-	-	-	-	0.085 J	0.12 J	-	-	-	-	-	-	-
Vanadium	NA	25.4	26	-	-	-	-	-	-	-	25.7	27.4	-	-	-	-	-	-	-
Zinc	10000	136	83.7	-	-	-	-	-	-	-	178	92.3	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0073)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.076)	-	-	-	-	-	-	-	ND (0.073)	ND (0.074)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level NY Part 375	12G	12G	12G1	12G1	12G2	12G2	12G2	12G3	12G3	12H	12H	12H1	12H1	12H2	12H2	12H3	12H3	12H3
Sample Name	Commercial	12G_0-5	12G_5-10	12G1_2-3	12G1_5-6	12G2_3-4	12G2_4-5	12G2_6-7	12G3_1-2	12G3_5-6	12H_0-5	12H_5-10	12H1_3-4	12H1_8-9	12H2_7-8	12H2_9-10	12H3_1-2	12H3_8-9	12H3_9-10
Sample Date	Use	01/24/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/24/2025	01/27/2025	01/27/2025	01/27/2025	01/24/2025	01/24/2025	01/24/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-5	460-319288-6	460-319408-26	460-319288-17	460-319408-27	460-319288-18	460-319408-28	460-319408-29	460-319408-30	460-319288-7	460-319288-8	460-319288-16	460-320634-35	460-319288-15	460-320634-34	460-320634-31	460-320634-33	460-320634-32
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	5 - 6 (ft)	3 - 4 (ft)	4 - 5 (ft)	6 - 7 (ft)	1 - 2 (ft)	5 - 6 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	7 - 8 (ft)	9 - 10 (ft)	1 - 2 (ft)	8 - 9 (ft)	9 - 10 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00452)	ND (0.00462)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00452)	ND (0.00462)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	-	-	-	-	-	-	-	-	-	ND (0.0009)	ND (0.00092)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	-	-	-	-	-	-	-	-	-	0.0004 J	0.0002 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	-	-	-	-	-	-	-	-	-	ND (0.00181)	ND (0.00185)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	-	-	-	-	-	-	-	-	-	ND (0.00181)	ND (0.00185)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00036)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00036)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00036)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00072)	ND (0.00074)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00036)	ND (0.00037)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	-	-	-	-	-	-	-	-	-	0.00045 J	0.00048 J	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	-	-	-	-	-	-	-	-	-	0.0016	0.00131	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	-	-	-	-	-	-	-	-	-	0.00059	0.00043	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	-	-	-	-	-	-	-	-	-	0.00168	0.00167	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	-	-	-	-	-	-	-	-	-	0.00093	0.00093	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	-	-	-	-	-	-	-	-	-	0.00432	0.00556	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	-	-	-	-	-	-	-	-	-	0.000078 J	0.000085 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	-	-	-	-	-	-	-	-	-	0.0018	0.00183	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	-	-	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	-	-	-	-	-	-	-	-	-	0.00131	0.00129	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	-	-	-	-	-	-	-	-	-	0.00014 J	0.00015 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	-	-	-	-	-	-	-	-	-	0.00778	0.00779	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	-	-	-	-	-	-	-	-	-	0.0122	0.0102	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Industrial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12I	12I	12I1	12I1	12I2	12I2	12I2	12I3	12I3	12J	12J	12J1	12J1	12J2	12J2	12J2	12J3	12J3
Sample Name	Commercial	12I_0-6	12I_6-12	12I1_3-4	12I1_6-7	12I2_1-2	12I2_7-8	12I2_9-10	12I3_10-11	12I3_11-12	12J_0-6	12J_6-12	12J1_1-2	12J1_4-5	12J2_3-4	12J2_6-7	12J2_9-10	12J3_5-6	12J3_11-12
Sample Date	Use	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-9	460-319288-10	460-320634-38	460-320634-39	460-319288-12	460-319288-11	460-320634-40	460-320634-37	460-320634-36	460-319288-1	460-319288-2	460-320634-43	460-320634-44	460-319288-14	460-320634-42	460-320634-41	460-319288-13	460-320634-53
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	10 - 11 (ft)	11 - 12 (ft)	0 - 6 (ft)	6 - 12 (ft)	1 - 2 (ft)	4 - 5 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	5 - 6 (ft)	11 - 12 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,1,2-Trichloroethane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,1-Dichloroethane	240	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,1-Dichloroethene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2,4-Trimethylbenzene	190	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.12)	ND (0.001) *	ND (0.00081) *	ND (0.00082) *	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078) *	ND (0.00073)	ND (0.001)	ND (0.00077) *	ND (0.00092) *
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2-Dichlorobenzene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2-Dichloroethane	30	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,2-Dichloropropane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,3,5-Trimethylbenzene	190	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,3-Dichlorobenzene	280	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
1,4-Dichlorobenzene	130	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.58)	ND (0.005)	ND (0.0041)	ND (0.0041)	ND (0.0037)	ND (0.0097)	ND (0.0033)	-	-	ND (0.0056)	ND (0.0055)	ND (0.0039)	ND (0.0037)	0.0016 J	ND (0.0038)	ND (0.0046)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.58)	ND (0.005)	ND (0.0041)	ND (0.0041)	ND (0.0037)	ND (0.0097)	ND (0.0033)	-	-	ND (0.0056)	ND (0.0055)	ND (0.0039)	ND (0.0037)	ND (0.0051)	ND (0.0038)	ND (0.0046)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.58)	ND (0.005)	ND (0.0041) *	ND (0.0041) *	ND (0.0037)	ND (0.0097)	ND (0.0033)	-	-	ND (0.0056)	ND (0.0055)	ND (0.0039) *	ND (0.0037)	ND (0.0051)	ND (0.0038) *	ND (0.0046)
Acetone	500	-	-	ND (0.58)	ND (0.006)	ND (0.0049)	ND (0.0049)	ND (0.0044)	ND (0.012)	ND (0.0039)	-	-	ND (0.0067)	ND (0.0066)	ND (0.0047)	ND (0.0044)	ND (0.0062)	ND (0.0046)	ND (0.0055)
Benzene	44	-	-	0.025 J	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Bromodichloromethane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Bromoform	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.12) *	ND (0.002) *	ND (0.0016)	ND (0.0016)	ND (0.0015)	ND (0.0039)	ND (0.0013)	-	-	ND (0.0022)	ND (0.0022)	ND (0.0016)	ND (0.0015)	ND (0.0021)	ND (0.0015)	ND (0.0018) *
Carbon disulfide	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Carbon tetrachloride	22	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Chlorobenzene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Chlorobromomethane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081) *	ND (0.00082) *	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078) *	ND (0.00073)	ND (0.001)	ND (0.00077) *	ND (0.00092)
Chloroethane	NA	-	-	ND (0.12) *	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Chloroform (Trichloromethane)	350	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
cis-1,2-Dichloroethene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
cis-1,3-Dichloropropene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Cyclohexane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Dibromochloromethane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Ethylbenzene	390	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
m,p-Xylenes	NA	-	-	0.061 J	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Methyl acetate	NA	-	-	ND (0.58)	ND (0.005)	ND (0.0041) *	0.017 *	ND (0.0037)	ND (0.0097)	ND (0.0033)	-	-	ND (0.0056)	ND (0.0055)	ND (0.0039) *	ND (0.0037)	ND (0.0051)	ND (0.0038) *	ND (0.0046)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Methylcyclohexane	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.12)	0.0019 J	0.0023	0.0024	0.001 J	ND (0.0039)	ND (0.0013)	-	-	ND (0.0022)	ND (0.0022)	0.0023	ND (0.0015)	ND (0.0021)	ND (0.0015)	ND (0.0018)
n-Butylbenzene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
n-Propylbenzene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
o-Xylene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Styrene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
tert-Butylbenzene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Tetrachloroethene	150	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Toluene	500	-	-	0.14	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
trans-1,2-Dichloroethene	500	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
trans-1,3-Dichloropropene	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Trichloroethene	200	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.12)	ND (0.001)	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.12)	ND (0.001) *	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092) *
Vinyl chloride	13	-	-	ND (0.12)	ND (0.001) *	ND (0.00081)	ND (0.00082)	ND (0.00074)	ND (0.0019)	ND (0.00065)	-	-	ND (0.0011)	ND (0.0011)	ND (0.00078)	ND (0.00073)	ND (0.001)	ND (0.00077)	ND (0.00092) *
Xylene (Total)	500	-	-	0.061 J	ND (0.002)	ND (0.0016)	ND (0.0016)	ND (0.0015)	ND (0.0039)	ND (0.0013)	-	-	ND (0.0022)	ND (0.0022)	ND (0.0016)	ND (0.0015)	ND (0.0021)	ND (0.0015)	ND (0.0018)

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12I	12I	12I1	12I1	12I2	12I2	12I2	12I3	12I3	12J	12J	12J1	12J1	12J2	12J2	12J2	12J3	12J3
Sample Name	Commercial	12I_0-6	12I_6-12	12I1_3-4	12I1_6-7	12I2_1-2	12I2_7-8	12I2_9-10	12I3_10-11	12I3_11-12	12J_0-6	12J_6-12	12J1_1-2	12J1_4-5	12J2_3-4	12J2_6-7	12J2_9-10	12J3_5-6	12J3_11-12
Sample Date	Use	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-9	460-319288-10	460-320634-38	460-320634-39	460-319288-12	460-319288-11	460-320634-40	460-320634-37	460-320634-36	460-319288-1	460-319288-2	460-320634-43	460-320634-44	460-319288-14	460-320634-42	460-320634-41	460-319288-13	460-320634-53
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	10 - 11 (ft)	11 - 12 (ft)	0 - 6 (ft)	6 - 12 (ft)	1 - 2 (ft)	4 - 5 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	5 - 6 (ft)	11 - 12 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.37)	0.013 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.75)	ND (0.76)	-	-	-	-	-	-	-	ND (0.74)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	0.012 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	500	0.048 J	0.019 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	0.14	0.03 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	0.14	0.034 J	-	-	-	-	-	-	-	0.011 J	ND (0.036)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	0.18	0.044	-	-	-	-	-	-	-	0.012 J	ND (0.036)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	0.1 J	0.036 J	-	-	-	-	-	-	-	0.015 J	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	0.077	0.016 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	0.036 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Carbazole	NA	0.017 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	56	0.17 J	0.036 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	0.025 J	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.03 J	0.023 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	500	0.4	0.059 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Fluorene	500	0.016 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.37) *	ND (0.36) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	0.091	0.024 J	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.37)	0.0095 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.037)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	0.2 J	0.038 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Phenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.37)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	500	0.31 J	0.069 J	-	-	-	-	-	-	-	0.047 J	ND (0.36)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12I	12I	12I1	12I1	12I2	12I2	12I2	12I3	12I3	12J	12J	12J1	12J1	12J2	12J2	12J2	12J3	12J3
Sample Name	Commercial	12I_0-6	12I_6-12	12I1_3-4	12I1_6-7	12I2_1-2	12I2_7-8	12I2_9-10	12I3_10-11	12I3_11-12	12J_0-6	12J_6-12	12J1_1-2	12J1_4-5	12J2_3-4	12J2_6-7	12J2_9-10	12J3_5-6	12J3_11-12
Sample Date	Use	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-9	460-319288-10	460-320634-38	460-320634-39	460-319288-12	460-319288-11	460-320634-40	460-320634-37	460-320634-36	460-319288-1	460-319288-2	460-320634-43	460-320634-44	460-319288-14	460-320634-42	460-320634-41	460-319288-13	460-320634-53
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	10 - 11 (ft)	11 - 12 (ft)	0 - 6 (ft)	6 - 12 (ft)	1 - 2 (ft)	4 - 5 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	5 - 6 (ft)	11 - 12 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	6960	6580	-	-	-	-	-	-	-	6850	5110	-	-	-	-	-	-	-
Antimony	NA	0.57 J	1.1	-	-	-	-	-	-	-	0.71 J	0.26 J	-	-	-	-	-	-	-
Arsenic	16	6.8	7.3	-	-	-	-	-	-	-	6.8	5.1	-	-	-	-	-	-	-
Barium	400	53.3	67.5	-	-	-	-	-	-	-	73.2	30.1	-	-	-	-	-	-	-
Beryllium	590	0.74	0.69	-	-	-	-	-	-	-	1.8	0.42 J	-	-	-	-	-	-	-
Cadmium	9.3	0.34 J	0.33 J	-	-	-	-	-	-	-	0.33 J	ND (1.1)	-	-	-	-	-	-	-
Calcium	NA	2440	1260	-	-	-	-	-	-	-	1710	677	-	-	-	-	-	-	-
Chromium	NA	18.4	24.8	-	-	-	-	-	-	-	61.2	13.3	-	-	-	-	-	-	-
Cobalt	NA	8.7	8.6	-	-	-	-	-	-	-	21.2	4.3	-	-	-	-	-	-	-
Copper	270	58.4	70.6	-	-	-	-	-	-	-	153	22.1	-	-	-	-	-	-	-
Iron	NA	18200	17700	-	-	-	-	-	-	-	22100	15000	-	-	-	-	-	-	-
Lead	1000	85.3	165	-	-	-	-	-	-	-	163	15.6	-	-	-	-	-	-	-
Magnesium	NA	2710	2220	-	-	-	-	-	-	-	2140	1320	-	-	-	-	-	-	-
Manganese	10000	312	195	-	-	-	-	-	-	-	209	140	-	-	-	-	-	-	-
Mercury	2.8	0.026	0.036	-	-	-	-	-	-	-	0.031	0.015 J	-	-	-	-	-	-	-
Nickel	310	30.2	27	-	-	-	-	-	-	-	78.4	7.2	-	-	-	-	-	-	-
Potassium	NA	791	821	-	-	-	-	-	-	-	818	535	-	-	-	-	-	-	-
Selenium	1500	0.4 J	0.74 J	-	-	-	-	-	-	-	0.75 J	0.45 J	-	-	-	-	-	-	-
Silver	1500	0.23 J	0.44	-	-	-	-	-	-	-	0.25 J	ND (0.44)	-	-	-	-	-	-	-
Sodium	NA	64.9 J	86.2 J	-	-	-	-	-	-	-	138	ND (110)	-	-	-	-	-	-	-
Thallium	NA	0.085 J	0.087 J	-	-	-	-	-	-	-	0.081 J	0.061 J	-	-	-	-	-	-	-
Vanadium	NA	23.7	28	-	-	-	-	-	-	-	24.2	18.1	-	-	-	-	-	-	-
Zinc	10000	123	151	-	-	-	-	-	-	-	526	30.8	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0075)	ND (0.0076)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.075)	ND (0.076)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-

TABLE I
SUMMARY OF SOIL QUALITY DATA - BERM 12
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	12I	12I	12I1	12I1	12I2	12I2	12I2	12I3	12I3	12J	12J	12J1	12J1	12J2	12J2	12J2	12J3	12J3
Sample Name	Commercial	12I_0-6	12I_6-12	12I1_3-4	12I1_6-7	12I2_1-2	12I2_7-8	12I2_9-10	12I3_10-11	12I3_11-12	12J_0-6	12J_6-12	12J1_1-2	12J1_4-5	12J2_3-4	12J2_6-7	12J2_9-10	12J3_5-6	12J3_11-12
Sample Date	Use	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	02/17/2025	01/24/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025	02/17/2025	01/24/2025	02/17/2025
Lab Sample ID	Soil Cleanup	460-319288-9	460-319288-10	460-320634-38	460-320634-39	460-319288-12	460-319288-11	460-320634-40	460-320634-37	460-320634-36	460-319288-1	460-319288-2	460-320634-43	460-320634-44	460-319288-14	460-320634-42	460-320634-41	460-319288-13	460-320634-53
Sample Depth (bgs)	Objectives	0 - 6 (ft)	6 - 12 (ft)	3 - 4 (ft)	6 - 7 (ft)	1 - 2 (ft)	7 - 8 (ft)	9 - 10 (ft)	10 - 11 (ft)	11 - 12 (ft)	0 - 6 (ft)	6 - 12 (ft)	1 - 2 (ft)	4 - 5 (ft)	3 - 4 (ft)	6 - 7 (ft)	9 - 10 (ft)	5 - 6 (ft)	11 - 12 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00459)	ND (0.00471)	-	-	-	-	-	-	-	ND (0.00462)	ND (0.0046)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00459)	ND (0.00471)	-	-	-	-	-	-	-	ND (0.00462)	ND (0.0046)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00092)	ND (0.00094)	-	-	-	-	-	-	-	ND (0.00092)	ND (0.00092)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00035 J	0.00032 J	-	-	-	-	-	-	-	0.00209	ND (0.00074)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00184)	ND (0.00188)	-	-	-	-	-	-	-	ND (0.00185)	ND (0.00184)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00184)	ND (0.00188)	-	-	-	-	-	-	-	ND (0.00185)	ND (0.00184)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00037)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00037)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00037)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00037)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00037)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00037)	ND (0.00037)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00073)	ND (0.00075)	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00037)	ND (0.00038)	-	-	-	-	-	-	-	ND (0.00037)	ND (0.00037)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00073)	0.00028 J	-	-	-	-	-	-	-	ND (0.00074)	ND (0.00074)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00062	0.00089	-	-	-	-	-	-	-	0.00076	0.00137	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00033	0.0003	-	-	-	-	-	-	-	0.0003	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00063	0.0009	-	-	-	-	-	-	-	0.00024	0.00027	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.0003	0.00056	-	-	-	-	-	-	-	0.00011 J	0.00012 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00146	0.00283	-	-	-	-	-	-	-	0.00345	0.00515	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000056 J	ND (0.00019)	-	-	-	-	-	-	-	0.000049 J	0.00013 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00076	0.00092	-	-	-	-	-	-	-	0.00032	0.00023	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00018)	ND (0.00019)	-	-	-	-	-	-	-	ND (0.00018)	ND (0.00018)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.00036 J	0.00072	-	-	-	-	-	-	-	0.00016 J	0.00014 J	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.00013 J	0.00013 J	-	-	-	-	-	-	-	0.00012 J	ND (0.00018)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00734	0.00597	-	-	-	-	-	-	-	0.00828	0.00041	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.0102	0.0102	-	-	-	-	-	-	-	0.0132	0.00169	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
B: Compound was found in the blank and the associated sample.
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Industrial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level NY Part 375	16A	16A	16A1	16A2	16A2	16A2	16A3	16A3	16A3	16B	16B	16B1	16B1	16B2	16B2	16B3	16B3	16B3
Sample Name	Commercial	16A_0-5	16A_5-10	16A1_3-4	16A2_2-3	16A2_3-4	16A2_7-8	16A3_9-10	16A3_5-6	16A3_6-7	16B_0-5	16B_5-10	16B1_2-3	16B1_8-9	16B2_1-2	16B2_3-4	16B3_7-8	16B3_5-6	16B3_9-10
Sample Date	Use	01/27/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-18	460-319407-19	460-319830-2	460-319407-12	460-319830-1	460-319830-5	460-319407-13	460-319830-3	460-319830-4	460-319407-20	460-319407-21	460-319830-8	460-319830-6	460-319407-8	460-319830-9	460-319407-9	460-319830-10	460-319830-7
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	5 - 6 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	8 - 9 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	5 - 6 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,1,2-Trichloroethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001) *	ND (0.00099)	ND (0.0011) *	ND (0.0011)	ND (0.0011)
1,1-Dichloroethane	240	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,1-Dichloroethene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2,4-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.001)	ND (0.001) *	ND (0.0015) *	ND (0.00096)	ND (0.00082) *	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001) *	ND (0.00099)	ND (0.0011) *	ND (0.0011)	ND (0.0011)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dichlorobenzene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dichloroethane	30	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,2-Dichloropropane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,3,5-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,3-Dichlorobenzene	280	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
1,4-Dichlorobenzene	130	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.005)	ND (0.005)	ND (0.0074)	ND (0.0048)	ND (0.0041)	ND (0.0068)	ND (0.0077)	-	-	ND (0.0066)	ND (0.0064)	ND (0.005)	ND (0.0049)	ND (0.0053)	ND (0.0055)	ND (0.0053)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.005)	ND (0.005)	ND (0.0074)	ND (0.0048)	ND (0.0041)	ND (0.0068)	ND (0.0077)	-	-	ND (0.0066)	ND (0.0064)	ND (0.005)	ND (0.0049)	ND (0.0053)	ND (0.0055)	ND (0.0053)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.005)	ND (0.005)	ND (0.0074)	ND (0.0048)	ND (0.0041)	ND (0.0068)	ND (0.0077)	-	-	ND (0.0066)	ND (0.0064)	ND (0.005)	ND (0.0049)	ND (0.0053)	ND (0.0055)	ND (0.0053)
Acetone	500	-	-	ND (0.006)	ND (0.006)	ND (0.0088)	0.0059	0.0089	ND (0.0081)	ND (0.0092)	-	-	ND (0.0079)	ND (0.0077)	ND (0.006)	ND (0.0059)	ND (0.0064)	ND (0.0066)	ND (0.0063)
Benzene	44	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Bromodichloromethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Bromoform	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002)	ND (0.002)	ND (0.0029)	ND (0.0019)	ND (0.0016)	ND (0.0027)	ND (0.0031)	-	-	ND (0.0026) *	ND (0.0026) *	ND (0.002)	ND (0.002) *	ND (0.0021)	ND (0.0022) *	ND (0.0021) *
Carbon disulfide	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Carbon tetrachloride	22	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Chlorobenzene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Chlorobromomethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Chloroethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Chloroform (Trichloromethane)	350	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
cis-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
cis-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Cyclohexane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Dibromochloromethane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Ethylbenzene	390	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
m,p-Xylenes	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Methyl acetate	NA	-	-	ND (0.005)	ND (0.005)	ND (0.0074)	ND (0.0048)	ND (0.0041)	ND (0.0068)	ND (0.0077)	-	-	ND (0.0066)	ND (0.0064)	ND (0.005)	ND (0.0049)	ND (0.0053)	ND (0.0055)	ND (0.0053)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Methylcyclohexane	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.002)	ND (0.002)	ND (0.0029)	0.0016 J	0.0012 J	ND (0.0027)	ND (0.0031)	-	-	0.0022 J	0.0019 J	0.0027	0.0018 J	0.004	ND (0.0022)	ND (0.0021)
n-Butylbenzene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
n-Propylbenzene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
o-Xylene	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Styrene	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
tert-Butylbenzene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Tetrachloroethene	150	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Toluene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
trans-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
trans-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.001) *	ND (0.0015)	ND (0.00096)	ND (0.00082) *	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001) *	ND (0.00099)	ND (0.0011) *	ND (0.0011)	ND (0.0011)
Trichloroethene	200	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.001)	ND (0.001)	ND (0.0015) *	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Vinyl chloride	13	-	-	ND (0.001)	ND (0.001)	ND (0.0015)	ND (0.00096)	ND (0.00082)	ND (0.0014)	ND (0.0015)	-	-	ND (0.0013)	ND (0.0013)	ND (0.001)	ND (0.00099)	ND (0.0011)	ND (0.0011)	ND (0.0011)
Xylene (Total)	500	-	-	ND (0.002)	ND (0.002)	ND (0.0029)	ND (0.0019)	ND (0.0016)	ND (0.0027)	ND (0.0031)	-	-	ND (0.0026)	ND (0.0026)	ND (0.002)	ND (0.002)	ND (0.0021)	ND (0.0022)	ND (0.0021)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16A	16A	16A1	16A2	16A2	16A2	16A3	16A3	16A3	16B	16B	16B1	16B1	16B2	16B2	16B3	16B3	16B3
Sample Name	NY Part 375	16A_0-5	16A_5-10	16A1_3-4	16A2_2-3	16A2_3-4	16A2_7-8	16A3_9-10	16A3_5-6	16A3_6-7	16B_0-5	16B_5-10	16B1_2-3	16B1_8-9	16B2_1-2	16B2_3-4	16B3_7-8	16B3_5-6	16B3_9-10
Sample Date	Commercial	01/27/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025
Lab Sample ID	Use	460-319407-18	460-319407-19	460-319830-2	460-319407-12	460-319830-1	460-319830-5	460-319407-13	460-319830-3	460-319830-4	460-319407-20	460-319407-21	460-319830-8	460-319830-6	460-319407-8	460-319830-9	460-319407-9	460-319830-10	460-319830-7
Sample Depth (bgs)	Soil Cleanup Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	5 - 6 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	8 - 9 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	5 - 6 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.14) *	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.35) *	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.35) *	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.72)	ND (0.74)	-	-	-	-	-	-	-	ND (0.72)	ND (0.72)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Benzidine	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	56	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Fluorene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.35) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.36) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.036)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.28)	ND (0.29)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Phenol	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.36)	ND (0.36)	-	-	-	-	-	-	-
Pyridine	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16A	16A	16A1	16A2	16A2	16A2	16A3	16A3	16A3	16B	16B	16B1	16B1	16B2	16B2	16B3	16B3	16B3
Sample Name	NY Part 375 Commercial	16A_0-5	16A_5-10	16A1_3-4	16A2_2-3	16A2_3-4	16A2_7-8	16A3_9-10	16A3_5-6	16A3_6-7	16B_0-5	16B_5-10	16B1_2-3	16B1_8-9	16B2_1-2	16B2_3-4	16B3_7-8	16B3_5-6	16B3_9-10
Sample Date	Use	01/27/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-18	460-319407-19	460-319830-2	460-319407-12	460-319830-1	460-319830-5	460-319407-13	460-319830-3	460-319830-4	460-319407-20	460-319407-21	460-319830-8	460-319830-6	460-319407-8	460-319830-9	460-319407-9	460-319830-10	460-319830-7
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	5 - 6 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	8 - 9 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	5 - 6 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	4630	4950	-	-	-	-	-	-	-	4730	5710	-	-	-	-	-	-	-
Antimony	NA	0.58 J	0.83 J	-	-	-	-	-	-	-	1.1	0.85 J	-	-	-	-	-	-	-
Arsenic	16	7	8.2	-	-	-	-	-	-	-	10.5	9.6	-	-	-	-	-	-	-
Barium	400	30.6	32.3	-	-	-	-	-	-	-	34.3	42	-	-	-	-	-	-	-
Beryllium	590	1.5	1.2	-	-	-	-	-	-	-	1.2	0.53	-	-	-	-	-	-	-
Cadmium	9.3	0.19 J	0.17 J	-	-	-	-	-	-	-	0.16 J	0.14 J	-	-	-	-	-	-	-
Calcium	NA	3080	1690	-	-	-	-	-	-	-	1500	666	-	-	-	-	-	-	-
Chromium	NA	22.2	21.6	-	-	-	-	-	-	-	23.2	13.1	-	-	-	-	-	-	-
Cobalt	NA	5.3	5.4	-	-	-	-	-	-	-	5.5	4.9	-	-	-	-	-	-	-
Copper	270	63.9	66.4	-	-	-	-	-	-	-	61.2	40.4	-	-	-	-	-	-	-
Iron	NA	15500	17200	-	-	-	-	-	-	-	15600	15700	-	-	-	-	-	-	-
Lead	1000	114	129	-	-	-	-	-	-	-	166	53.6	-	-	-	-	-	-	-
Magnesium	NA	2680	2030	-	-	-	-	-	-	-	1810	1740	-	-	-	-	-	-	-
Manganese	10000	97.1	147	-	-	-	-	-	-	-	134	220	-	-	-	-	-	-	-
Mercury	2.8	0.025	0.024	-	-	-	-	-	-	-	0.046	0.032	-	-	-	-	-	-	-
Nickel	310	24.2	24.3	-	-	-	-	-	-	-	16.2	10	-	-	-	-	-	-	-
Potassium	NA	598	595	-	-	-	-	-	-	-	574	665	-	-	-	-	-	-	-
Selenium	1500	0.37 J	0.38 J	-	-	-	-	-	-	-	0.4 J	0.49 J	-	-	-	-	-	-	-
Silver	1500	0.23 J	0.3 J	-	-	-	-	-	-	-	0.34 J	0.25 J	-	-	-	-	-	-	-
Sodium	NA	58 J	73.2 J	-	-	-	-	-	-	-	51.9 J	ND (98.4)	-	-	-	-	-	-	-
Thallium	NA	0.062 J	0.053 J	-	-	-	-	-	-	-	0.061 J	0.22 J	-	-	-	-	-	-	-
Vanadium	NA	19.3	20.4	-	-	-	-	-	-	-	19.1	18.6	-	-	-	-	-	-	-
Zinc	10000	206	168	-	-	-	-	-	-	-	159	52	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Endrin	89	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0072)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.072)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16A	16A	16A1	16A2	16A2	16A2	16A3	16A3	16A3	16B	16B	16B1	16B1	16B2	16B2	16B3	16B3	16B3
Sample Name	NY Part 375 Commercial	16A_0-5	16A_5-10	16A1_3-4	16A2_2-3	16A2_3-4	16A2_7-8	16A3_9-10	16A3_5-6	16A3_6-7	16B_0-5	16B_5-10	16B1_2-3	16B1_8-9	16B2_1-2	16B2_3-4	16B3_7-8	16B3_5-6	16B3_9-10
Sample Date	Use	01/27/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025	01/27/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-18	460-319407-19	460-319830-2	460-319407-12	460-319830-1	460-319830-5	460-319407-13	460-319830-3	460-319830-4	460-319407-20	460-319407-21	460-319830-8	460-319830-6	460-319407-8	460-319830-9	460-319407-9	460-319830-10	460-319830-7
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	3 - 4 (ft)	7 - 8 (ft)	9 - 10 (ft)	5 - 6 (ft)	6 - 7 (ft)	0 - 5 (ft)	5 - 10 (ft)	2 - 3 (ft)	8 - 9 (ft)	1 - 2 (ft)	3 - 4 (ft)	7 - 8 (ft)	5 - 6 (ft)	9 - 10 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.0034)	ND (0.00352)	-	-	-	-	-	-	-	ND (0.00342)	ND (0.00335)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.0034)	ND (0.00352)	-	-	-	-	-	-	-	ND (0.00342)	ND (0.00335)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00068)	ND (0.0007)	-	-	-	-	-	-	-	ND (0.00068)	ND (0.00067)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00136)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.00137)	ND (0.00134)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00136)	ND (0.00141)	-	-	-	-	-	-	-	ND (0.00137)	ND (0.00134)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00054)	ND (0.00056)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00054)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00025	0.00016	-	-	-	-	-	-	-	0.00023	0.000079 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00009 J	0.000091 J	-	-	-	-	-	-	-	0.00011 J	ND (0.00013)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00012 J	0.000082 J	-	-	-	-	-	-	-	0.000055 J	0.00018	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000069 J	0.000037 J	-	-	-	-	-	-	-	0.000042 J	0.000079 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00062	0.00047	-	-	-	-	-	-	-	0.00039	0.00124	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000037 J	0.000056 J	-	-	-	-	-	-	-	0.000058 J	0.000072 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00028	0.00029	-	-	-	-	-	-	-	0.00013 J	0.00068	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00111	0.00145	-	-	-	-	-	-	-	0.00112	0.00035	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00237	0.00143	-	-	-	-	-	-	-	0.00227	0.00075	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level																		
	NY Part 375	16C	16C	16C1	16C1	16C2	16C2	16C2	16C3	16C3	16D	16D	16D1	16D1	16D2	16D2	16D3	16D3	16D3
Sample Name	Commercial	16C_0-5	16C_5-10	16C1_1-2	16C1_7-8	16C2_0-1	16C2_2-3	16C2_6-7	16C3_3-4	16C3_8-9	16D_0-5	16D_5-10	16D1_3-4	16D1_8-9	16D2_2-3	16D2_7-8	16D3_4-5	16D3_6-7	16D3_9-10
Sample Date	Use	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-22	460-319407-23	460-319407-6	460-319407-7	460-319407-5	460-319407-3	460-319407-4	460-319407-1	460-319407-2	460-319886-1	460-319886-2	460-319830-14	460-319830-13	460-319830-11	460-319830-12	460-319830-15	460-319830-16	460-319830-17
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	2 - 3 (ft)	6 - 7 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	2 - 3 (ft)	7 - 8 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,1,2-Trichloroethane	NA	-	-	ND (0.00079) *	ND (0.001) *	ND (0.00086) *	ND (0.001) *	ND (0.0011) *	ND (0.00085) *	ND (0.00092) *	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,1-Dichloroethane	240	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,1-Dichloroethene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00079) *	ND (0.001) *	ND (0.00086) *	ND (0.001) *	ND (0.0011) *	ND (0.00085) *	ND (0.00092) *	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2-Dichlorobenzene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2-Dichloroethane	30	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,2-Dichloropropane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,3-Dichlorobenzene	280	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
1,4-Dichlorobenzene	130	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.004)	ND (0.0052)	ND (0.0043)	ND (0.0051)	ND (0.0053)	ND (0.0042)	ND (0.0046)	-	-	ND (0.0042)	ND (0.0038)	ND (0.0042)	ND (0.0045)	ND (0.0045)	ND (0.0039)	ND (0.0051)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.004)	ND (0.0052)	ND (0.0043)	ND (0.0051)	ND (0.0053)	ND (0.0042)	ND (0.0046)	-	-	ND (0.0042)	ND (0.0038)	ND (0.0042)	ND (0.0045)	ND (0.0045)	ND (0.0039)	ND (0.0051)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.004)	ND (0.0052)	ND (0.0043)	ND (0.0051)	ND (0.0053)	ND (0.0042)	ND (0.0046)	-	-	ND (0.0042)	ND (0.0038)	ND (0.0042)	ND (0.0045)	ND (0.0045)	ND (0.0039)	ND (0.0051)
Acetone	500	-	-	ND (0.0048)	ND (0.0062)	ND (0.0052)	0.0062	ND (0.0064)	ND (0.0051)	ND (0.0055)	-	-	ND (0.005)	ND (0.0046)	ND (0.0051)	0.013	ND (0.0054)	ND (0.0047)	ND (0.0061)
Benzene	44	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Bromodichloromethane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Bromoform	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0016)	ND (0.0021)	ND (0.0017)	ND (0.0021)	ND (0.0021)	ND (0.0017)	ND (0.0018)	-	-	ND (0.0017) *	ND (0.0015) *	ND (0.0017) *	ND (0.0018) *	ND (0.0018) *	ND (0.0016) *	ND (0.002) *
Carbon disulfide	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	0.00054 J	ND (0.00089)	ND (0.00078)	ND (0.001)
Carbon tetrachloride	22	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Chlorobenzene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Chlorobromomethane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Chloroethane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Chloroform (Trichloromethane)	350	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
cis-1,2-Dichloroethene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Cyclohexane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Dibromochloromethane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Ethylbenzene	390	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
m,p-Xylenes	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Methyl acetate	NA	-	-	ND (0.004)	ND (0.0052)	ND (0.0043)	ND (0.0051)	ND (0.0053)	ND (0.0042)	ND (0.0046)	-	-	ND (0.0042)	ND (0.0038)	ND (0.0042)	ND (0.0045)	ND (0.0045)	0.0063	0.0065
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Methylcyclohexane	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Methylene chloride (Dichloromethane)	500	-	-	0.0023	0.0029	0.0023	0.0029	0.0037	0.0027	0.0033	-	-	ND (0.0017)	0.001 J	0.00097 J	0.0015 J	0.0011 J	0.0012 J	0.0013 J
n-Butylbenzene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
n-Propylbenzene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
o-Xylene	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Styrene	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
tert-Butylbenzene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Tetrachloroethene	150	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Toluene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	0.00024 J
trans-1,2-Dichloroethene	500	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00079) *	ND (0.001) *	ND (0.00086) *	ND (0.001) *	ND (0.0011) *	ND (0.00085) *	ND (0.00092) *	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Trichloroethene	200	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Vinyl chloride	13	-	-	ND (0.00079)	ND (0.001)	ND (0.00086)	ND (0.001)	ND (0.0011)	ND (0.00085)	ND (0.00092)	-	-	ND (0.00084)	ND (0.00077)	ND (0.00085)	ND (0.0009)	ND (0.00089)	ND (0.00078)	ND (0.001)
Xylene (Total)	500	-	-	ND (0.0016)	ND (0.0021)	ND (0.0017)	ND (0.0021)	ND (0.0021)	ND (0.0017)	ND (0.0018)	-	-	ND (0.0017)	ND (0.0015)	ND (0.0017)	ND (0.0018)	ND (0.0018)	ND (0.0016)	ND (0.002)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16C	16C	16C1	16C1	16C2	16C2	16C2	16C3	16C3	16D	16D	16D1	16D1	16D2	16D2	16D3	16D3	16D3
Sample Name	Commercial	16C_0-5	16C_5-10	16C1_1-2	16C1_7-8	16C2_0-1	16C2_2-3	16C2_6-7	16C3_3-4	16C3_8-9	16D_0-5	16D_5-10	16D1_3-4	16D1_8-9	16D2_2-3	16D2_7-8	16D3_4-5	16D3_6-7	16D3_9-10
Sample Date	Use	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-22	460-319407-23	460-319407-6	460-319407-7	460-319407-5	460-319407-3	460-319407-4	460-319407-1	460-319407-2	460-319886-1	460-319886-2	460-319830-14	460-319830-13	460-319830-11	460-319830-12	460-319830-15	460-319830-16	460-319830-17
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	2 - 3 (ft)	6 - 7 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	2 - 3 (ft)	7 - 8 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	NA	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.29)	ND (0.28)	-	-	-	-	-	-	-	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.29)	ND (0.28)	-	-	-	-	-	-	-	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.74)	ND (0.71)	-	-	-	-	-	-	-	ND (0.74)	ND (0.77)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Anthracene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Benzidine	NA	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	0.011 J	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Chrysene	56	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	0.018 J	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	0.014 J	ND (0.38)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Fluorene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.36) *	ND (0.35) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.38) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.14)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.036)	ND (0.035)	-	-	-	-	-	-	-	ND (0.036)	ND (0.038)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.29)	ND (0.28)	-	-	-	-	-	-	-	ND (0.29)	ND (0.31)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Phenol	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-
Pyrene	500	ND (0.36)	ND (0.35)	-	-	-	-	-	-	-	ND (0.36)	0.011 J	-	-	-	-	-	-	-
Pyridine	NA	-	-	-	-	-	-	-	-	-	ND (0.36)	ND (0.38)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16C	16C	16C1	16C1	16C2	16C2	16C2	16C3	16C3	16D	16D	16D1	16D1	16D2	16D2	16D3	16D3	16D3
Sample Name	NY Part 375	16C_0-5	16C_5-10	16C1_1-2	16C1_7-8	16C2_0-1	16C2_2-3	16C2_6-7	16C3_3-4	16C3_8-9	16D_0-5	16D_5-10	16D1_3-4	16D1_8-9	16D2_2-3	16D2_7-8	16D3_4-5	16D3_6-7	16D3_9-10
Sample Date	Commercial	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Use	460-319407-22	460-319407-23	460-319407-6	460-319407-7	460-319407-5	460-319407-3	460-319407-4	460-319407-1	460-319407-2	460-319886-1	460-319886-2	460-319830-14	460-319830-13	460-319830-11	460-319830-12	460-319830-15	460-319830-16	460-319830-17
Sample Depth (bgs)	Soil Cleanup Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	2 - 3 (ft)	6 - 7 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	2 - 3 (ft)	7 - 8 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	5550	4640	-	-	-	-	-	-	-	8300	7640	-	-	-	-	-	-	-
Antimony	NA	0.79 J	0.64 J	-	-	-	-	-	-	-	0.5 J	0.58 J	-	-	-	-	-	-	-
Arsenic	16	7.8	9.5	-	-	-	-	-	-	-	6.7	5.8	-	-	-	-	-	-	-
Barium	400	40.9	39.7	-	-	-	-	-	-	-	69.9	67.9	-	-	-	-	-	-	-
Beryllium	590	1.9	0.52	-	-	-	-	-	-	-	2.1	1.2	-	-	-	-	-	-	-
Cadmium	9.3	0.22 J	ND (0.97)	-	-	-	-	-	-	-	0.33 J	0.33 J	-	-	-	-	-	-	-
Calcium	NA	3870	926	-	-	-	-	-	-	-	4280	2370	-	-	-	-	-	-	-
Chromium	NA	24.1	13.2	-	-	-	-	-	-	-	33.3	29.1	-	-	-	-	-	-	-
Cobalt	NA	6.8	3.5	-	-	-	-	-	-	-	9.3	7.8	-	-	-	-	-	-	-
Copper	270	64.2	31.5	-	-	-	-	-	-	-	88.5	61.3	-	-	-	-	-	-	-
Iron	NA	17600	15600	-	-	-	-	-	-	-	20000	18600	-	-	-	-	-	-	-
Lead	1000	160	74.5	-	-	-	-	-	-	-	233	251	-	-	-	-	-	-	-
Magnesium	NA	3580	1260	-	-	-	-	-	-	-	3990	2340	-	-	-	-	-	-	-
Manganese	10000	159	134	-	-	-	-	-	-	-	199	160	-	-	-	-	-	-	-
Mercury	2.8	0.028	0.026	-	-	-	-	-	-	-	0.024	0.023	-	-	-	-	-	-	-
Nickel	310	22.5	7.7	-	-	-	-	-	-	-	40.4	25.7	-	-	-	-	-	-	-
Potassium	NA	792	550	-	-	-	-	-	-	-	997	967	-	-	-	-	-	-	-
Selenium	1500	0.31 J	0.39 J	-	-	-	-	-	-	-	0.34 J	0.54 J	-	-	-	-	-	-	-
Silver	1500	0.28 J	0.21 J	-	-	-	-	-	-	-	0.22 J	0.23 J	-	-	-	-	-	-	-
Sodium	NA	79.7 J	ND (96.8)	-	-	-	-	-	-	-	144	139	-	-	-	-	-	-	-
Thallium	NA	0.068 J	0.052 J	-	-	-	-	-	-	-	0.09 J	0.088 J	-	-	-	-	-	-	-
Vanadium	NA	21.2	17.5	-	-	-	-	-	-	-	21.9	22.7	-	-	-	-	-	-	-
Zinc	10000	214	49.4	-	-	-	-	-	-	-	403	232	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Endrin	89	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0021)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0023)	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	-	-	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0074)	ND (0.0071)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0077)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.074)	ND (0.071)	-	-	-	-	-	-	-	ND (0.074)	ND (0.077)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16C	16C	16C1	16C1	16C2	16C2	16C2	16C3	16C3	16D	16D	16D1	16D1	16D2	16D2	16D3	16D3	16D3
Sample Name	Commercial	16C_0-5	16C_5-10	16C1_1-2	16C1_7-8	16C2_0-1	16C2_2-3	16C2_6-7	16C3_3-4	16C3_8-9	16D_0-5	16D_5-10	16D1_3-4	16D1_8-9	16D2_2-3	16D2_7-8	16D3_4-5	16D3_6-7	16D3_9-10
Sample Date	Use	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319407-22	460-319407-23	460-319407-6	460-319407-7	460-319407-5	460-319407-3	460-319407-4	460-319407-1	460-319407-2	460-319886-1	460-319886-2	460-319830-14	460-319830-13	460-319830-11	460-319830-12	460-319830-15	460-319830-16	460-319830-17
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	1 - 2 (ft)	7 - 8 (ft)	0 - 1 (ft)	2 - 3 (ft)	6 - 7 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	2 - 3 (ft)	7 - 8 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00348)	ND (0.00336)	-	-	-	-	-	-	-	ND (0.00348)	ND (0.00359)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00348)	ND (0.00336)	-	-	-	-	-	-	-	ND (0.00348)	ND (0.00359)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.0007)	ND (0.00067)	-	-	-	-	-	-	-	ND (0.0007)	ND (0.00072)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	0.0003 J	0.00018 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00139)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.00139)	ND (0.00143)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00139)	ND (0.00134)	-	-	-	-	-	-	-	ND (0.00139)	ND (0.00143)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00029)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	ND (0.00054)	-	-	-	-	-	-	-	ND (0.00056)	ND (0.00057)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	0.000038 J	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00021	0.00015	-	-	-	-	-	-	-	0.00024	0.00015	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00011 J	ND (0.00013)	-	-	-	-	-	-	-	0.00022	0.00015	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00005 J	0.00019	-	-	-	-	-	-	-	0.000077 J	0.000061 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000054 J	0.00006 J	-	-	-	-	-	-	-	0.000071 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00285	0.00089	-	-	-	-	-	-	-	0.00142	0.0021	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000065 J	0.000053 J	-	-	-	-	-	-	-	0.000083 J	0.000059 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00013 J	0.00101	-	-	-	-	-	-	-	0.00018	0.00019	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00013)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-	0.000098 J	ND (0.00029)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000049 J	ND (0.00013)	-	-	-	-	-	-	-	0.000079 J	0.000062 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00207	0.00085	-	-	-	-	-	-	-	0.00465	0.00331	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00337	0.00093	-	-	-	-	-	-	-	0.00619	0.00333	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16E	16E	16E1	16E1	16E2	16E2	16E2	16E3	16E3	16F	16F	16F1	16F1	16F1	16F2	16F2	16F3	16F3
Sample Name	Commercial	16E_0-5	16E_5-10	16E1_3-4	16E1_4-5	16E2_2-3	16E2_6-7	16E2_9-10	16E3_3-4	16E3_8-9	16F_0-5	16F_5-10	16F1_4-5	16F1_6-7	16F1_9-10	16F2_2-3	16F2_7-8	16F3_3-4	16F3_5-6
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-3	460-319886-4	460-319830-19	460-319830-20	460-319830-22	460-319830-18	460-319830-24	460-319830-21	460-319830-23	460-319886-5	460-319886-6	460-319830-26	460-319830-27	460-320634-46	460-319830-30	460-319830-28	460-319830-29	460-319830-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	6 - 7 (ft)	9 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)	2 - 3 (ft)	7 - 8 (ft)	3 - 4 (ft)	5 - 6 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,1,2-Trichloroethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,1-Dichloroethane	240	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,1-Dichloroethene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2,4-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081) *	ND (0.0012)	ND (0.0009) *	ND (0.0013)	ND (0.001) *	-	-	ND (0.001) *	ND (0.00089) *	ND (0.0011)	ND (0.001) *	ND (0.00072) *	ND (0.00085) *	ND (0.00072) *
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2-Dichlorobenzene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2-Dichloroethane	30	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,2-Dichloropropane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,3,5-Trimethylbenzene	190	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,3-Dichlorobenzene	280	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
1,4-Dichlorobenzene	130	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0051)	ND (0.0058)	ND (0.004)	ND (0.0059)	ND (0.0045)	ND (0.0065)	ND (0.005)	-	-	ND (0.0051)	0.011	ND (0.0056)	ND (0.0051)	0.006	ND (0.0042)	ND (0.0036)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0051)	ND (0.0058)	ND (0.004)	ND (0.0059)	ND (0.0045)	ND (0.0065)	ND (0.005)	-	-	ND (0.0051)	ND (0.0045)	ND (0.0056)	ND (0.0051)	ND (0.0036)	ND (0.0042)	ND (0.0036)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.00034 J	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0051)	ND (0.0058)	ND (0.004)	ND (0.0059)	ND (0.0045)	ND (0.0065)	ND (0.005)	-	-	ND (0.0051)	ND (0.0045)	ND (0.0056)	ND (0.0051)	ND (0.0036)	ND (0.0042)	ND (0.0036)
Acetone	500	-	-	ND (0.0061)	ND (0.007)	ND (0.0048)	0.041	ND (0.0054)	0.02	ND (0.0061)	-	-	ND (0.0062)	0.06	ND (0.0067)	0.011	0.042	ND (0.0051)	ND (0.0043)
Benzene	44	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Bromodichloromethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Bromoform	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.002) *	ND (0.0023) *	ND (0.0016)	ND (0.0024) *	ND (0.0018)	ND (0.0026) *	ND (0.002)	-	-	ND (0.0021)	ND (0.0018)	ND (0.0022)	ND (0.0021)	ND (0.0014)	ND (0.0017)	ND (0.0014)
Carbon disulfide	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.0017	ND (0.0011)	ND (0.001)	0.0009	ND (0.00085)	ND (0.00072)
Carbon tetrachloride	22	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Chlorobenzene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Chlorobromomethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Chloroethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Chloroform (Trichloromethane)	350	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
cis-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
cis-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Cyclohexane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Dibromochloromethane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Ethylbenzene	390	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.01	ND (0.0011)	ND (0.001)	0.016	ND (0.00085)	ND (0.00072)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.0021	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
m,p-Xylenes	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.00028 J	ND (0.0011)	ND (0.001)	0.00033 J	ND (0.00085)	ND (0.00072)
Methyl acetate	NA	-	-	ND (0.0051)	ND (0.0058)	ND (0.004)	ND (0.0059)	ND (0.0045)	ND (0.0065)	ND (0.005)	-	-	ND (0.0051)	ND (0.0045)	ND (0.0056)	ND (0.0051)	ND (0.0036)	ND (0.0042)	ND (0.0036)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Methylcyclohexane	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Methylene chloride (Dichloromethane)	500	-	-	0.0012 J	0.0017 J	ND (0.0016)	ND (0.0024)	0.0012 J	0.0025 J	ND (0.002)	-	-	ND (0.0021)	0.0012 J	ND (0.0022)	ND (0.0021)	ND (0.0014)	ND (0.0017)	0.00087 J
n-Butylbenzene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
n-Propylbenzene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	0.0016	ND (0.0011)	ND (0.001)	0.00036 J	ND (0.00085)	ND (0.00072)
o-Xylene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Styrene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
tert-Butylbenzene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Tetrachloroethene	150	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Toluene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
trans-1,2-Dichloroethene	500	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
trans-1,3-Dichloropropene	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Trichloroethene	200	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.001)	ND (0.0012)	ND (0.00081) *	ND (0.0012)	ND (0.0009) *	ND (0.0013)	ND (0.001) *	-	-	ND (0.001) *	ND (0.00089) *	ND (0.0011)	ND (0.001) *	ND (0.00072) *	ND (0.00085) *	ND (0.00072) *
Vinyl chloride	13	-	-	ND (0.001)	ND (0.0012)	ND (0.00081)	ND (0.0012)	ND (0.0009)	ND (0.0013)	ND (0.001)	-	-	ND (0.001)	ND (0.00089)	ND (0.0011)	ND (0.001)	ND (0.00072)	ND (0.00085)	ND (0.00072)
Xylene (Total)	500	-	-	ND (0.002)	ND (0.0023)	ND (0.0016)	ND (0.0024)	ND (0.0018)	ND (0.0026)	ND (0.002)	-	-	ND (0.0021)	0.00028 J	ND (0.0022)	ND (0.0021)	0.00033 J	ND (0.0017)	ND (0.0014)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16E	16E	16E1	16E1	16E2	16E2	16E2	16E3	16E3	16F	16F	16F1	16F1	16F1	16F2	16F2	16F3	16F3
Sample Name	Commercial	16E_0-5	16E_5-10	16E1_3-4	16E1_4-5	16E2_2-3	16E2_6-7	16E2_9-10	16E3_3-4	16E3_8-9	16F_0-5	16F_5-10	16F1_4-5	16F1_6-7	16F1_9-10	16F2_2-3	16F2_7-8	16F3_3-4	16F3_5-6
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-3	460-319886-4	460-319830-19	460-319830-20	460-319830-22	460-319830-18	460-319830-24	460-319830-21	460-319830-23	460-319886-5	460-319886-6	460-319830-26	460-319830-27	460-320634-46	460-319830-30	460-319830-28	460-319830-29	460-319830-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	6 - 7 (ft)	9 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)	2 - 3 (ft)	7 - 8 (ft)	3 - 4 (ft)	5 - 6 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.32)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.32)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.8)	ND (0.78)	-	-	-	-	-	-	-	ND (0.74)	ND (0.74)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Anthracene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Benzidine	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Chrysene	56	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Fluorene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.39) *	ND (0.39) *	-	-	-	-	-	-	-	ND (0.36) *	ND (0.37) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.16)	ND (0.16)	-	-	-	-	-	-	-	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.039)	ND (0.039)	-	-	-	-	-	-	-	ND (0.036)	ND (0.037)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.32)	ND (0.31)	-	-	-	-	-	-	-	ND (0.29)	ND (0.3)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.39)	0.018 J	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Phenol	500	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-
Pyrene	500	ND (0.39)	0.01 J	-	-	-	-	-	-	-	ND (0.36)	0.03 J	-	-	-	-	-	-	-
Pyridine	NA	ND (0.39)	ND (0.39)	-	-	-	-	-	-	-	ND (0.36)	ND (0.37)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16E	16E	16E1	16E1	16E2	16E2	16E2	16E3	16E3	16F	16F	16F1	16F1	16F1	16F2	16F2	16F3	16F3
Sample Name	NY Part 375 Commercial	16E_0-5	16E_5-10	16E1_3-4	16E1_4-5	16E2_2-3	16E2_6-7	16E2_9-10	16E3_3-4	16E3_8-9	16F_0-5	16F_5-10	16F1_4-5	16F1_6-7	16F1_9-10	16F2_2-3	16F2_7-8	16F3_3-4	16F3_5-6
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-3	460-319886-4	460-319830-19	460-319830-20	460-319830-22	460-319830-18	460-319830-24	460-319830-21	460-319830-23	460-319886-5	460-319886-6	460-319830-26	460-319830-27	460-320634-46	460-319830-30	460-319830-28	460-319830-29	460-319830-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	6 - 7 (ft)	9 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)	2 - 3 (ft)	7 - 8 (ft)	3 - 4 (ft)	5 - 6 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7960	6780	-	-	-	-	-	-	-	8410	8620	-	-	-	-	-	-	-
Antimony	NA	0.5 J	0.43 J	-	-	-	-	-	-	-	0.5 J	0.64 J	-	-	-	-	-	-	-
Arsenic	16	8.7	5.5	-	-	-	-	-	-	-	5.9	6.9	-	-	-	-	-	-	-
Barium	400	41.8	56.3	-	-	-	-	-	-	-	79.4	76.9	-	-	-	-	-	-	-
Beryllium	590	2	1.2	-	-	-	-	-	-	-	1.2	1.6	-	-	-	-	-	-	-
Cadmium	9.3	0.28 J	0.32 J	-	-	-	-	-	-	-	0.3 J	0.29 J	-	-	-	-	-	-	-
Calcium	NA	1500	3060	-	-	-	-	-	-	-	2120	3690	-	-	-	-	-	-	-
Chromium	NA	31.2	25.3	-	-	-	-	-	-	-	28.3	30.1	-	-	-	-	-	-	-
Cobalt	NA	9.4	7.9	-	-	-	-	-	-	-	7.3	9.3	-	-	-	-	-	-	-
Copper	270	44.3	52	-	-	-	-	-	-	-	59.1	73.7	-	-	-	-	-	-	-
Iron	NA	33200	15100	-	-	-	-	-	-	-	19500	20600	-	-	-	-	-	-	-
Lead	1000	72.6	183	-	-	-	-	-	-	-	175	213	-	-	-	-	-	-	-
Magnesium	NA	1600	2690	-	-	-	-	-	-	-	2110	3350	-	-	-	-	-	-	-
Manganese	10000	129	495	-	-	-	-	-	-	-	185	172	-	-	-	-	-	-	-
Mercury	2.8	0.015 J	0.033	-	-	-	-	-	-	-	0.035	0.03	-	-	-	-	-	-	-
Nickel	310	22.6	23.4	-	-	-	-	-	-	-	24.7	34.3	-	-	-	-	-	-	-
Potassium	NA	659	751	-	-	-	-	-	-	-	1040	1060	-	-	-	-	-	-	-
Selenium	1500	0.48 J	0.36 J	-	-	-	-	-	-	-	0.35 J	0.42 J	-	-	-	-	-	-	-
Silver	1500	0.17 J	0.18 J	-	-	-	-	-	-	-	0.18 J	0.25 J	-	-	-	-	-	-	-
Sodium	NA	ND (114)	78.9 J	-	-	-	-	-	-	-	155	176	-	-	-	-	-	-	-
Thallium	NA	0.092 J	0.087 J	-	-	-	-	-	-	-	0.089 J	0.091 J	-	-	-	-	-	-	-
Vanadium	NA	53.1	27.1	-	-	-	-	-	-	-	22.8	23.4	-	-	-	-	-	-	-
Zinc	10000	162	161	-	-	-	-	-	-	-	218	247	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	0.0028 J	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	0.0084	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0024)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0024)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0024)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0024)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0024)	ND (0.0023)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.008)	ND (0.0078)	-	-	-	-	-	-	-	ND (0.0074)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.08)	ND (0.078)	-	-	-	-	-	-	-	ND (0.074)	ND (0.074)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16E	16E	16E1	16E1	16E2	16E2	16E2	16E3	16E3	16F	16F	16F1	16F1	16F1	16F2	16F2	16F3	16F3
Sample Name	Commercial	16E_0-5	16E_5-10	16E1_3-4	16E1_4-5	16E2_2-3	16E2_6-7	16E2_9-10	16E3_3-4	16E3_8-9	16F_0-5	16F_5-10	16F1_4-5	16F1_6-7	16F1_9-10	16F2_2-3	16F2_7-8	16F3_3-4	16F3_5-6
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-3	460-319886-4	460-319830-19	460-319830-20	460-319830-22	460-319830-18	460-319830-24	460-319830-21	460-319830-23	460-319886-5	460-319886-6	460-319830-26	460-319830-27	460-320634-46	460-319830-30	460-319830-28	460-319830-29	460-319830-25
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	6 - 7 (ft)	9 - 10 (ft)	3 - 4 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	4 - 5 (ft)	6 - 7 (ft)	9 - 10 (ft)	2 - 3 (ft)	7 - 8 (ft)	3 - 4 (ft)	5 - 6 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00366)	ND (0.00362)	-	-	-	-	-	-	-	ND (0.00344)	ND (0.00343)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00366)	ND (0.00362)	-	-	-	-	-	-	-	ND (0.00344)	ND (0.00343)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00073)	ND (0.00072)	-	-	-	-	-	-	-	ND (0.00069)	ND (0.00069)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	ND (0.00059)	0.00025 J	-	-	-	-	-	-	-	0.00027 J	0.00025 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00146)	ND (0.00145)	-	-	-	-	-	-	-	ND (0.00138)	ND (0.00137)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00146)	ND (0.00145)	-	-	-	-	-	-	-	ND (0.00138)	ND (0.00137)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	ND (0.00028)	ND (0.00027)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00059)	ND (0.00058)	-	-	-	-	-	-	-	ND (0.00055)	ND (0.00055)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00011 J	0.0003	-	-	-	-	-	-	-	0.00027	0.00015	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.0001 J	0.00016	-	-	-	-	-	-	-	0.00017	0.00017	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	ND (0.00015)	0.000068 J	-	-	-	-	-	-	-	0.000096 J	0.000036 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000056 J	0.000048 J	-	-	-	-	-	-	-	0.000071 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00013 J	0.00177	-	-	-	-	-	-	-	0.00332	0.00129	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000037 J	0.000095 J	-	-	-	-	-	-	-	0.000073 J	0.000054 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.000042 J	0.0002	-	-	-	-	-	-	-	0.00024	0.0001 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00015)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00029)	ND (0.00029)	-	-	-	-	-	-	-	0.000069 J	ND (0.00027)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000041 J	0.00005 J	-	-	-	-	-	-	-	0.00006 J	0.000058 J	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00157	0.00349	-	-	-	-	-	-	-	0.00385	0.00447	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00196	0.00509	-	-	-	-	-	-	-	0.00621	0.00463	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level NY Part 375	16G	16G	16G1	16G1	16G2	16G2	16G3	16G3	16G3	16H	16H	16H1	16H1	16H1	16H2	16H2	16H3	16H3
Sample Name	Commercial	16G_0-10	16G_10-20	16G1_2-3	16G1_19-20	16G2_4-5	16G2_15-16	16G3_3-4	16G3_8-9	16G3_13-14	16H_0-10	16H_10-20	16H1_5-6	16H1_7-8	16H1_12-13	16H2_2-3	16H2_16-17	16H3_3-4	16H3_18-19
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-7	460-319886-8	460-319830-45	460-319830-47	460-319830-46	460-319830-49	460-319830-48	460-319830-44	460-319830-50	460-319886-9	460-319886-10	460-319830-43	460-319830-41	460-319830-39	460-319830-42	460-319830-38	460-319830-37	460-319830-40
Sample Depth (bgs)	Objectives	0 - 10 (ft)	10 - 20 (ft)	2 - 3 (ft)	19 - 20 (ft)	4 - 5 (ft)	15 - 16 (ft)	3 - 4 (ft)	8 - 9 (ft)	13 - 14 (ft)	0 - 10 (ft)	10 - 20 (ft)	5 - 6 (ft)	7 - 8 (ft)	12 - 13 (ft)	2 - 3 (ft)	16 - 17 (ft)	3 - 4 (ft)	18 - 19 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,1,2-Trichloroethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,1-Dichloroethane	240	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,1-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2,4-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099) *	ND (0.0018) *	ND (0.00084)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2-Dichlorobenzene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2-Dichloroethane	30	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,2-Dichloropropane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,3,5-Trimethylbenzene	190	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,3-Dichlorobenzene	280	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
1,4-Dichlorobenzene	130	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0054)	ND (0.0039)	ND (0.0067)	ND (0.0071)	ND (0.0046)	ND (0.0056)	ND (0.0049)	-	-	ND (0.0053)	ND (0.0064)	0.0042 J	ND (0.0054)	0.0052	ND (0.0088)	ND (0.0042)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0054)	ND (0.0039)	ND (0.0067)	ND (0.0071)	ND (0.0046)	ND (0.0056)	ND (0.0049)	-	-	ND (0.0053)	ND (0.0064)	ND (0.0047)	ND (0.0054)	ND (0.0049)	ND (0.0088)	ND (0.0042)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0054)	ND (0.0039)	ND (0.0067)	ND (0.0071)	ND (0.0046)	ND (0.0056)	ND (0.0049)	-	-	ND (0.0053)	ND (0.0064)	ND (0.0047)	ND (0.0054)	ND (0.0049)	ND (0.0088)	ND (0.0042)
Acetone	500	-	-	ND (0.0065)	ND (0.0047)	ND (0.0081)	ND (0.0085)	ND (0.0055)	ND (0.0067)	ND (0.0059)	-	-	ND (0.0064)	ND (0.0077)	0.033	ND (0.0065)	0.034	ND (0.011)	ND (0.0051)
Benzene	44	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Bromodichloromethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Bromoform	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0022)	ND (0.0016)	ND (0.0027)	ND (0.0028)	ND (0.0018)	ND (0.0022)	ND (0.002)	-	-	ND (0.0021)	ND (0.0026)	ND (0.0019)	ND (0.0022)	ND (0.002)	ND (0.0035)	ND (0.0017)
Carbon disulfide	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	0.00068 J	ND (0.0018)	ND (0.00084)
Carbon tetrachloride	22	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Chlorobenzene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Chlorobromomethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Chloroethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Chloroform (Trichloromethane)	350	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
cis-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
cis-1,3-Dichloropropene	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Cyclohexane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Dibromochloromethane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Ethylbenzene	390	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
m,p-Xylenes	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Methyl acetate	NA	-	-	ND (0.0054)	ND (0.0039)	ND (0.0067)	ND (0.0071)	ND (0.0046)	ND (0.0056)	ND (0.0049)	-	-	ND (0.0053)	ND (0.0064)	ND (0.0047)	ND (0.0054)	ND (0.0049)	ND (0.0088)	ND (0.0042)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Methylcyclohexane	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Methylene chloride (Dichloromethane)	500	-	-	ND (0.0022)	0.00091 J	ND (0.0027)	0.0024 J	0.0014 J	0.0015 J	ND (0.002)	-	-	ND (0.0021)	0.002 J	0.0014 J	ND (0.0022)	0.0011 J	ND (0.0035)	0.0011 J
n-Butylbenzene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
n-Propylbenzene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
o-Xylene	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Styrene	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
tert-Butylbenzene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Tetrachloroethene	150	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Toluene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
trans-1,2-Dichloroethene	500	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
trans-1,3-Dichloropropene	NA	-	-	ND (0.0011) *	ND (0.00079) *	ND (0.0013) *	ND (0.0014) *	ND (0.00091) *	ND (0.0011) *	ND (0.00099) *	-	-	ND (0.0011) *	ND (0.0013) *	ND (0.00093) *	ND (0.0011) *	ND (0.00099)	ND (0.0018)	ND (0.00084) *
Trichloroethene	200	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099) *	ND (0.0018) *	ND (0.00084)
Vinyl chloride	13	-	-	ND (0.0011)	ND (0.00079)	ND (0.0013)	ND (0.0014)	ND (0.00091)	ND (0.0011)	ND (0.00099)	-	-	ND (0.0011)	ND (0.0013)	ND (0.00093)	ND (0.0011)	ND (0.00099)	ND (0.0018)	ND (0.00084)
Xylene (Total)	500	-	-	ND (0.0022)	ND (0.0016)	ND (0.0027)	ND (0.0028)	ND (0.0018)	ND (0.0022)	ND (0.002)	-	-	ND (0.0021)	ND (0.0026)	ND (0.0019)	ND (0.0022)	ND (0.002)	ND (0.0035)	ND (0.0017)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16G	16G	16G1	16G1	16G2	16G2	16G3	16G3	16G3	16H	16H	16H1	16H1	16H1	16H2	16H2	16H3	16H3
Sample Name	Commercial	16G_0-10	16G_10-20	16G1_2-3	16G1_19-20	16G2_4-5	16G2_15-16	16G3_3-4	16G3_8-9	16G3_13-14	16H_0-10	16H_10-20	16H1_5-6	16H1_7-8	16H1_12-13	16H2_2-3	16H2_16-17	16H3_3-4	16H3_18-19
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-7	460-319886-8	460-319830-45	460-319830-47	460-319830-46	460-319830-49	460-319830-48	460-319830-44	460-319830-50	460-319886-9	460-319886-10	460-319830-43	460-319830-41	460-319830-39	460-319830-42	460-319830-38	460-319830-37	460-319830-40
Sample Depth (bgs)	Objectives	0 - 10 (ft)	10 - 20 (ft)	2 - 3 (ft)	19 - 20 (ft)	4 - 5 (ft)	15 - 16 (ft)	3 - 4 (ft)	8 - 9 (ft)	13 - 14 (ft)	0 - 10 (ft)	10 - 20 (ft)	5 - 6 (ft)	7 - 8 (ft)	12 - 13 (ft)	2 - 3 (ft)	16 - 17 (ft)	3 - 4 (ft)	18 - 19 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.37)	0.011 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.75)	ND (0.74)	-	-	-	-	-	-	-	ND (0.72)	ND (0.73)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Anthracene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Benzidine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.037)	0.055	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.037)	0.069	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.037)	0.078	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.37)	0.052 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.037)	0.032 J	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Chrysene	56	ND (0.37)	0.067 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	0.016 J	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.37)	0.042 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Fluorene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.073)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.37) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.35) *	ND (0.36) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.037)	0.042	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.15)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.037)	ND (0.037)	-	-	-	-	-	-	-	ND (0.035)	ND (0.036)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.3)	ND (0.3)	-	-	-	-	-	-	-	ND (0.29)	ND (0.29)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Phenol	500	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pyrene	500	ND (0.37)	0.053 J	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-
Pyridine	NA	ND (0.37)	ND (0.37)	-	-	-	-	-	-	-	ND (0.35)	ND (0.36)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16G	16G	16G1	16G1	16G2	16G2	16G3	16G3	16G3	16H	16H	16H1	16H1	16H1	16H2	16H2	16H3	16H3
Sample Name	Commercial	16G_0-10	16G_10-20	16G1_2-3	16G1_19-20	16G2_4-5	16G2_15-16	16G3_3-4	16G3_8-9	16G3_13-14	16H_0-10	16H_10-20	16H1_5-6	16H1_7-8	16H1_12-13	16H2_2-3	16H2_16-17	16H3_3-4	16H3_18-19
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-7	460-319886-8	460-319830-45	460-319830-47	460-319830-46	460-319830-49	460-319830-48	460-319830-44	460-319830-50	460-319886-9	460-319886-10	460-319830-43	460-319830-41	460-319830-39	460-319830-42	460-319830-38	460-319830-37	460-319830-40
Sample Depth (bgs)	Objectives	0 - 10 (ft)	10 - 20 (ft)	2 - 3 (ft)	19 - 20 (ft)	4 - 5 (ft)	15 - 16 (ft)	3 - 4 (ft)	8 - 9 (ft)	13 - 14 (ft)	0 - 10 (ft)	10 - 20 (ft)	5 - 6 (ft)	7 - 8 (ft)	12 - 13 (ft)	2 - 3 (ft)	16 - 17 (ft)	3 - 4 (ft)	18 - 19 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	7820	7380	-	-	-	-	-	-	-	6340	4230	-	-	-	-	-	-	-
Antimony	NA	0.55 J	0.46 J	-	-	-	-	-	-	-	0.49 J	0.26 J	-	-	-	-	-	-	-
Arsenic	16	5.7	6.2	-	-	-	-	-	-	-	6.9	4.8	-	-	-	-	-	-	-
Barium	400	137	45.9	-	-	-	-	-	-	-	48.7	24.7	-	-	-	-	-	-	-
Beryllium	590	1.6	0.58	-	-	-	-	-	-	-	0.81	0.84	-	-	-	-	-	-	-
Cadmium	9.3	0.52 J	0.27 J	-	-	-	-	-	-	-	0.36 J	0.17 J	-	-	-	-	-	-	-
Calcium	NA	3830	1310	-	-	-	-	-	-	-	7340	4610	-	-	-	-	-	-	-
Chromium	NA	25.6	22.4	-	-	-	-	-	-	-	21.1	13.9	-	-	-	-	-	-	-
Cobalt	NA	11.8	8	-	-	-	-	-	-	-	7.8	5.3	-	-	-	-	-	-	-
Copper	270	73	42.3	-	-	-	-	-	-	-	62.7	35.6	-	-	-	-	-	-	-
Iron	NA	20300	20600	-	-	-	-	-	-	-	18400	14100	-	-	-	-	-	-	-
Lead	1000	219	89.6	-	-	-	-	-	-	-	211	104	-	-	-	-	-	-	-
Magnesium	NA	4460	2890	-	-	-	-	-	-	-	5770	3630	-	-	-	-	-	-	-
Manganese	10000	1290	218	-	-	-	-	-	-	-	203	117	-	-	-	-	-	-	-
Mercury	2.8	0.025	0.021	-	-	-	-	-	-	-	0.025	0.011 J	-	-	-	-	-	-	-
Nickel	310	42.7	32.3	-	-	-	-	-	-	-	25	13.3	-	-	-	-	-	-	-
Potassium	NA	1130	1110	-	-	-	-	-	-	-	815	811	-	-	-	-	-	-	-
Selenium	1500	0.24 J	0.27 J	-	-	-	-	-	-	-	0.39 J	0.24 J	-	-	-	-	-	-	-
Silver	1500	0.19 J	0.14 J	-	-	-	-	-	-	-	0.23 J	ND (0.41)	-	-	-	-	-	-	-
Sodium	NA	112	72.4 J	-	-	-	-	-	-	-	99.2	53.2 J	-	-	-	-	-	-	-
Thallium	NA	0.32 J	0.087 J	-	-	-	-	-	-	-	0.08 J	ND (0.41)	-	-	-	-	-	-	-
Vanadium	NA	21.4	24.8	-	-	-	-	-	-	-	22.8	16.6	-	-	-	-	-	-	-
Zinc	10000	242	132	-	-	-	-	-	-	-	184	107	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin	89	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0022)	ND (0.0022)	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0075)	ND (0.0074)	-	-	-	-	-	-	-	ND (0.0072)	ND (0.0074)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.075)	ND (0.074)	-	-	-	-	-	-	-	ND (0.072)	ND (0.074)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16G	16G	16G1	16G1	16G2	16G2	16G3	16G3	16G3	16H	16H	16H1	16H1	16H1	16H2	16H2	16H3	16H3
Sample Name	Commercial	16G_0-10	16G_10-20	16G1_2-3	16G1_19-20	16G2_4-5	16G2_15-16	16G3_3-4	16G3_8-9	16G3_13-14	16H_0-10	16H_10-20	16H1_5-6	16H1_7-8	16H1_12-13	16H2_2-3	16H2_16-17	16H3_3-4	16H3_18-19
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-7	460-319886-8	460-319830-45	460-319830-47	460-319830-46	460-319830-49	460-319830-48	460-319830-44	460-319830-50	460-319886-9	460-319886-10	460-319830-43	460-319830-41	460-319830-39	460-319830-42	460-319830-38	460-319830-37	460-319830-40
Sample Depth (bgs)	Objectives	0 - 10 (ft)	10 - 20 (ft)	2 - 3 (ft)	19 - 20 (ft)	4 - 5 (ft)	15 - 16 (ft)	3 - 4 (ft)	8 - 9 (ft)	13 - 14 (ft)	0 - 10 (ft)	10 - 20 (ft)	5 - 6 (ft)	7 - 8 (ft)	12 - 13 (ft)	2 - 3 (ft)	16 - 17 (ft)	3 - 4 (ft)	18 - 19 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
2H,2H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00348)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00337)	ND (0.00341)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00348)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00337)	ND (0.00341)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.0007)	ND (0.00069)	-	-	-	-	-	-	-	ND (0.00067)	ND (0.00068)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00024 J	ND (0.00055)	-	-	-	-	-	-	-	0.0002 J	0.00016 J	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00139)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00135)	ND (0.00136)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00139)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00135)	ND (0.00136)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00027)	ND (0.00027)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00056)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00054)	ND (0.00055)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.00036	0.000073 J	-	-	-	-	-	-	-	0.00026	0.000093 J	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00014	0.00009 J	-	-	-	-	-	-	-	0.00019	0.000074 J	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.000054 J	ND (0.00014)	-	-	-	-	-	-	-	0.000086 J	0.000035 J	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.00005 J	ND (0.00014)	-	-	-	-	-	-	-	0.000062 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00081	0.000087 J	-	-	-	-	-	-	-	0.00033	0.00017	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	0.00005 J	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000076 J	ND (0.00014)	-	-	-	-	-	-	-	0.000046 J	0.00053	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00011 J	ND (0.00014)	-	-	-	-	-	-	-	0.000097 J	0.000065 J	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00014)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	ND (0.00028)	ND (0.00028)	-	-	-	-	-	-	-	0.000087 J	ND (0.00027)	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000055 J	ND (0.00014)	-	-	-	-	-	-	-	0.000058 J	ND (0.00014)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.0027	0.00085	-	-	-	-	-	-	-	0.00197	0.00077	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00453	0.00094	-	-	-	-	-	-	-	0.00317	0.00283	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																	
Location Name	NY Part 375	16I	16I	16I1	16I1	16I2	16I2	16I2	16I3	16I3	16J	16J	16J1	16J1	16J1	16J2	16J2	16J3	16J3
Sample Name	Commercial	16I_0-5	16I_5-10	16I1_3-4	16I1_4-5	16I2_2-3	16I2_7-8	16I2_5-6	16I3_1-2	16I3_8-9	16J_0-5	16J_5-10	16J1_3-4	16J1_2-3	16J1_6-7	16J2_3-4	16J2_8-9	16J3_5-6	16J3_4-5
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-11	460-319886-12	460-319830-34	460-319830-31	460-319830-32	460-319830-35	460-320634-45	460-319830-36	460-319830-33	460-319407-24	460-319407-25	460-319407-11	460-319830-55	460-319830-52	460-319830-51	460-319830-53	460-319407-10	460-319830-54
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	7 - 8 (ft)	5 - 6 (ft)	1 - 2 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	6 - 6 (ft)	3 - 4 (ft)	8 - 9 (ft)	5 - 6 (ft)	4 - 5 (ft)
Volatile Organic Compounds (mg/kg)																			
1,1,1-Trichloroethane	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,1,2,2-Tetrachloroethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,1,2-Trichloroethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013) *	ND (0.00095)
1,1-Dichloroethane	240	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,1-Dichloroethene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2,3-Trichlorobenzene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2,4-Trichlorobenzene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2,4-Trimethylbenzene	190	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2-Dibromo-3-chloropropane (DBCP)	NA	-	-	ND (0.00096) *	ND (0.00092) *	ND (0.0013) *	ND (0.00068) *	ND (0.00092)	ND (0.0013) *	ND (0.00087) *	-	-	ND (0.0011) *	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013) *	ND (0.00095)
1,2-Dibromoethane (Ethylene Dibromide)	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2-Dichlorobenzene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2-Dichloroethane	30	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,2-Dichloropropane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,3,5-Trimethylbenzene	190	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,3-Dichlorobenzene	280	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
1,4-Dichlorobenzene	130	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
2-Butanone (Methyl Ethyl Ketone)	500	-	-	ND (0.0048)	ND (0.0046)	ND (0.0067)	ND (0.0034)	ND (0.0046)	ND (0.0063)	ND (0.0044)	-	-	ND (0.0057)	ND (0.0048)	ND (0.0045)	ND (0.007)	ND (0.0048)	ND (0.0066)	ND (0.0047)
2-Hexanone (Methyl Butyl Ketone)	NA	-	-	ND (0.0048)	ND (0.0046)	ND (0.0067)	ND (0.0034)	ND (0.0046)	ND (0.0063)	ND (0.0044)	-	-	ND (0.0057)	ND (0.0048)	ND (0.0045)	ND (0.007)	ND (0.0048)	ND (0.0066)	ND (0.0047)
2-Phenylbutane (sec-Butylbenzene)	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	NA	-	-	ND (0.0048)	ND (0.0046)	ND (0.0067)	ND (0.0034)	ND (0.0046)	ND (0.0063)	ND (0.0044)	-	-	ND (0.0057)	ND (0.0048)	ND (0.0045)	ND (0.007)	ND (0.0048)	ND (0.0066)	ND (0.0047)
Acetone	500	-	-	ND (0.0058)	ND (0.0055)	ND (0.008)	ND (0.0041)	ND (0.0055)	ND (0.0076)	ND (0.0052)	-	-	0.0066 J	ND (0.0057)	ND (0.0054)	ND (0.0084)	ND (0.0057)	ND (0.0079)	ND (0.0057)
Benzene	44	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Bromodichloromethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Bromoform	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Bromomethane (Methyl Bromide)	NA	-	-	ND (0.0019)	ND (0.0018)	ND (0.0027)	ND (0.0014)	ND (0.0018)	ND (0.0025)	ND (0.0017)	-	-	ND (0.0023)	ND (0.0019)	ND (0.0018)	ND (0.0028)	ND (0.0019)	ND (0.0026)	ND (0.0019)
Carbon disulfide	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Carbon tetrachloride	22	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Chlorobenzene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Chlorobromomethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Chloroethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Chloroform (Trichloromethane)	350	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Chloromethane (Methyl Chloride)	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
cis-1,2-Dichloroethene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
cis-1,3-Dichloropropene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Cyclohexane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Dibromochloromethane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Dichlorodifluoromethane (CFC-12)	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Ethylbenzene	390	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Isopropylbenzene (Cumene)	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
m,p-Xylenes	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Methyl acetate	NA	-	-	ND (0.0048)	ND (0.0046)	ND (0.0067)	ND (0.0034)	ND (0.0046)	ND (0.0063)	ND (0.0044)	-	-	ND (0.0057)	ND (0.0048)	ND (0.0045)	ND (0.007)	ND (0.0048)	ND (0.0066)	ND (0.0047)
Methyl Tert Butyl Ether (MTBE)	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Methylcyclohexane	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Methylene chloride (Dichloromethane)	500	-	-	0.0012 J	0.001 J	ND (0.0027)	ND (0.0014)	ND (0.0018)	ND (0.0025)	ND (0.0017)	-	-	0.0039	0.0018 J	ND (0.0018)	ND (0.0028)	ND (0.0019)	0.0052	0.0013 J
n-Butylbenzene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
n-Propylbenzene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
o-Xylene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Styrene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
tert-Butylbenzene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Tetrachloroethene	150	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Toluene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
trans-1,2-Dichloroethene	500	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
trans-1,3-Dichloropropene	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011) *	ND (0.00095) *	ND (0.00089) *	ND (0.0014) *	ND (0.00095) *	ND (0.0013) *	ND (0.00095) *
Trichloroethene	200	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Trichlorofluoromethane (CFC-11)	NA	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Trifluorotrichloroethane (Freon 113)	NA	-	-	ND (0.00096) *	ND (0.00092) *	ND (0.0013) *	ND (0.00068) *	ND (0.00092)	ND (0.0013) *	ND (0.00087) *	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Vinyl chloride	13	-	-	ND (0.00096)	ND (0.00092)	ND (0.0013)	ND (0.00068)	ND (0.00092)	ND (0.0013)	ND (0.00087)	-	-	ND (0.0011)	ND (0.00095)	ND (0.00089)	ND (0.0014)	ND (0.00095)	ND (0.0013)	ND (0.00095)
Xylene (Total)	500	-	-	ND (0.0019)	ND (0.0018)	ND (0.0027)	ND (0.0014)	ND (0.0018)	ND (0.0025)	ND (0.0017)	-	-	ND (0.0023)	ND (0.0019)	ND (0.0018)	ND (0.0028)	ND (0.0019)	ND (0.0026)	ND (0.0019)

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16I	16I	16I1	16I1	16I2	16I2	16I2	16I3	16I3	16J	16J	16J1	16J1	16J1	16J2	16J2	16J3	16J3
Sample Name	Commercial	16I_0-5	16I_5-10	16I1_3-4	16I1_4-5	16I2_2-3	16I2_7-8	16I2_5-6	16I3_1-2	16I3_8-9	16J_0-5	16J_5-10	16J1_3-4	16J1_2-3	16J1_6-7	16J2_3-4	16J2_8-9	16J3_5-6	16J3_4-5
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-11	460-319886-12	460-319830-34	460-319830-31	460-319830-32	460-319830-35	460-320634-45	460-319830-36	460-319830-33	460-319407-24	460-319407-25	460-319407-11	460-319830-55	460-319830-52	460-319830-51	460-319830-53	460-319407-10	460-319830-54
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	7 - 8 (ft)	5 - 6 (ft)	1 - 2 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	6 - 6 (ft)	3 - 4 (ft)	8 - 9 (ft)	5 - 6 (ft)	4 - 5 (ft)
Semi-Volatile Organic Compounds (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
1,2-Diphenylhydrazine	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	130	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
2,2'-oxybis(1-Chloropropane)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2,3,4,6-Tetrachlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
2,4-Dichlorophenol	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
2,4-Dimethylphenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2,4-Dinitrophenol	NA	ND (0.28)	ND (0.3)	-	-	-	-	-	-	-	ND (0.27)	ND (0.28)	-	-	-	-	-	-	-
2,4-Dinitrotoluene	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
2,6-Dinitrotoluene	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
2-Chloronaphthalene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2-Chlorophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2-Methylnaphthalene	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2-Methylphenol (o-Cresol)	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2-Nitroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
2-Nitrophenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
3&4-Methylphenol	NA	-	-	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
3-Nitroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4,6-Dinitro-2-methylphenol	NA	ND (0.28)	ND (0.3)	-	-	-	-	-	-	-	ND (0.27)	ND (0.28)	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether (BDE-3)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Chloro-3-methylphenol	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Chloroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Methylphenol	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Nitroaniline	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
4-Nitrophenol	NA	ND (0.71)	ND (0.75)	-	-	-	-	-	-	-	ND (0.69)	ND (0.7)	-	-	-	-	-	-	-
Acenaphthene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Acenaphthylene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Acetophenone	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Anthracene	500	0.013 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Atrazine	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
Benzaldehyde	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Benzidine	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Benzo(a)pyrene	1	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Benzo(b)fluoranthene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Benzo(g,h,i)perylene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Benzo(k)fluoranthene	56	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Biphenyl	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
bis(2-Chloroethoxy)methane	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
bis(2-Chloroethyl)ether	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
bis(2-Ethylhexyl)phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Butyl benzylphthalate (BBP)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Caprolactam	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Carbazole	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Chrysene	56	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	0.56	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Dibenzofuran	350	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Diethyl phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Dimethyl phthalate	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Di-n-butylphthalate (DBP)	NA	0.015 J	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Di-n-octyl phthalate (DnOP)	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Fluoranthene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Fluorene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Hexachlorobenzene	6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Hexachlorobutadiene	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	NA	ND (0.35) *	ND (0.37) *	-	-	-	-	-	-	-	ND (0.34) *	ND (0.34) *	-	-	-	-	-	-	-
Hexachloroethane	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	5.6	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
Isophorone	NA	ND (0.14)	ND (0.15)	-	-	-	-	-	-	-	ND (0.14)	ND (0.14)	-	-	-	-	-	-	-
Naphthalene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Nitrobenzene	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
N-Nitrosodi-n-propylamine	NA	ND (0.035)	ND (0.037)	-	-	-	-	-	-	-	ND (0.034)	ND (0.034)	-	-	-	-	-	-	-
N-Nitrosodiphenylamine	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Pentachlorophenol	6.7	ND (0.28)	ND (0.3)	-	-	-	-	-	-	-	ND (0.27)	ND (0.28)	-	-	-	-	-	-	-
Phenanthrene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Phenol	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Pyrene	500	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	ND (0.34)	ND (0.34)	-	-	-	-	-	-	-
Pyridine	NA	ND (0.35)	ND (0.37)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

	Action Level																		
Location Name	NY Part 375	16I	16I	16I1	16I1	16I2	16I2	16I2	16I3	16I3	16J	16J	16J1	16J1	16J1	16J2	16J2	16J3	16J3
Sample Name	Commercial	16I_0-5	16I_5-10	16I1_3-4	16I1_4-5	16I2_2-3	16I2_7-8	16I2_5-6	16I3_1-2	16I3_8-9	16J_0-5	16J_5-10	16J1_3-4	16J1_2-3	16J1_6-7	16J2_3-4	16J2_8-9	16J3_5-6	16J3_4-5
Sample Date	Use	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025
Lab Sample ID	Soil Cleanup	460-319886-11	460-319886-12	460-319830-34	460-319830-31	460-319830-32	460-319830-35	460-320634-45	460-319830-36	460-319830-33	460-319407-24	460-319407-25	460-319407-11	460-319830-55	460-319830-52	460-319830-51	460-319830-53	460-319407-10	460-319830-54
Sample Depth (bgs)	Objectives	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	7 - 8 (ft)	5 - 6 (ft)	1 - 2 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	6 - 6 (ft)	3 - 4 (ft)	8 - 9 (ft)	5 - 6 (ft)	4 - 5 (ft)
Inorganic Compounds (mg/kg)																			
Aluminum	NA	4890	4520	-	-	-	-	-	-	-	3310	3990	-	-	-	-	-	-	-
Antimony	NA	0.78 J	0.58 J	-	-	-	-	-	-	-	0.18 J	0.49 J	-	-	-	-	-	-	-
Arsenic	16	8.9	7.5	-	-	-	-	-	-	-	5.5	7.2	-	-	-	-	-	-	-
Barium	400	26.2	28.9	-	-	-	-	-	-	-	20.4	24.2	-	-	-	-	-	-	-
Beryllium	590	0.93	1.2	-	-	-	-	-	-	-	0.42	0.36 J	-	-	-	-	-	-	-
Cadmium	9.3	0.2 J	0.19 J	-	-	-	-	-	-	-	0.1 J	ND (0.95)	-	-	-	-	-	-	-
Calcium	NA	553	4270	-	-	-	-	-	-	-	256	297	-	-	-	-	-	-	-
Chromium	NA	21.6	20.2	-	-	-	-	-	-	-	14.2	11.4	-	-	-	-	-	-	-
Cobalt	NA	5.2	5	-	-	-	-	-	-	-	2.7	3.5	-	-	-	-	-	-	-
Copper	270	54.6	49	-	-	-	-	-	-	-	26.3	23.4	-	-	-	-	-	-	-
Iron	NA	21700	14800	-	-	-	-	-	-	-	14300	13900	-	-	-	-	-	-	-
Lead	1000	106	95.9	-	-	-	-	-	-	-	19.7	27.4	-	-	-	-	-	-	-
Magnesium	NA	1200	3300	-	-	-	-	-	-	-	656	970	-	-	-	-	-	-	-
Manganese	10000	119	147	-	-	-	-	-	-	-	41.9	94.8	-	-	-	-	-	-	-
Mercury	2.8	0.033	0.03	-	-	-	-	-	-	-	ND (0.017)	0.017	-	-	-	-	-	-	-
Nickel	310	16.5	16.8	-	-	-	-	-	-	-	7.5	6.3	-	-	-	-	-	-	-
Potassium	NA	629	624	-	-	-	-	-	-	-	547	662	-	-	-	-	-	-	-
Selenium	1500	0.47 J	0.29 J	-	-	-	-	-	-	-	0.27 J	0.33 J	-	-	-	-	-	-	-
Silver	1500	0.24 J	0.22 J	-	-	-	-	-	-	-	ND (0.37)	0.12 J	-	-	-	-	-	-	-
Sodium	NA	45.2 J	ND (104)	-	-	-	-	-	-	-	ND (92.5)	ND (95.2)	-	-	-	-	-	-	-
Thallium	NA	0.043 J	0.059 J	-	-	-	-	-	-	-	ND (0.37)	ND (0.38)	-	-	-	-	-	-	-
Vanadium	NA	18.7	17.1	-	-	-	-	-	-	-	17.4	17	-	-	-	-	-	-	-
Zinc	10000	133	153	-	-	-	-	-	-	-	64.2	33.9	-	-	-	-	-	-	-
PCBs (mg/kg)																			
Aroclor-1016 (PCB-1016)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1221 (PCB-1221)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1232 (PCB-1232)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1242 (PCB-1242)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1248 (PCB-1248)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1254 (PCB-1254)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1260 (PCB-1260)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1262 (PCB-1262)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Aroclor-1268 (PCB-1268)	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Polychlorinated biphenyls (PCBs)	1	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
Pesticides (mg/kg)																			
4,4'-DDD	92	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
4,4'-DDE	62	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
4,4'-DDT	47	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Aldrin	0.68	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
alpha-BHC	3.4	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0021)	-	-	-	-	-	-	-
alpha-Chlordane (cis)	24	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
beta-BHC	3	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0021)	-	-	-	-	-	-	-
Chlordane	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-
delta-BHC	500	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0021)	-	-	-	-	-	-	-
Dieldrin	1.4	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0021)	-	-	-	-	-	-	-
Endosulfan I	200	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Endosulfan II	200	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Endosulfan sulfate	200	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Endrin	89	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Endrin aldehyde	NA	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Endrin ketone	NA	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
gamma-BHC (Lindane)	9.2	ND (0.0021)	ND (0.0022)	-	-	-	-	-	-	-	ND (0.0021)	ND (0.0021)	-	-	-	-	-	-	-
gamma-Chlordane (trans)	NA	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	15	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Heptachlor epoxide	NA	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Methoxychlor	NA	ND (0.0071)	ND (0.0075)	-	-	-	-	-	-	-	ND (0.0069)	ND (0.007)	-	-	-	-	-	-	-
Toxaphene	NA	ND (0.071)	ND (0.075)	-	-	-	-	-	-	-	ND (0.069)	ND (0.07)	-	-	-	-	-	-	-

TABLE 2
SUMMARY OF SOIL QUALITY DATA - BERM 16
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NY
FILE NO. 0208988

Location Name	Action Level	16I	16I	16I1	16I1	16I2	16I2	16I2	16I3	16I3	16J	16J	16J1	16J1	16J1	16J2	16J2	16J3	16J3
Sample Name	NY Part 375 Commercial Use Soil Cleanup Objectives	16I_0-5	16I_5-10	16I1_3-4	16I1_4-5	16I2_2-3	16I2_7-8	16I2_5-6	16I3_1-2	16I3_8-9	16J_0-5	16J_5-10	16J1_3-4	16J1_2-3	16J1_6-7	16J2_3-4	16J2_8-9	16J3_5-6	16J3_4-5
Sample Date		02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	02/17/2025	02/03/2025	02/03/2025	01/27/2025	01/27/2025	01/27/2025	02/03/2025	02/03/2025	02/03/2025	02/03/2025	01/27/2025	02/03/2025
Lab Sample ID		460-319886-11	460-319886-12	460-319830-34	460-319830-31	460-319830-32	460-319830-35	460-320634-45	460-319830-36	460-319830-33	460-319407-24	460-319407-25	460-319407-11	460-319830-55	460-319830-52	460-319830-51	460-319830-53	460-319407-10	460-319830-54
Sample Depth (bgs)		0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	4 - 5 (ft)	2 - 3 (ft)	7 - 8 (ft)	5 - 6 (ft)	1 - 2 (ft)	8 - 9 (ft)	0 - 5 (ft)	5 - 10 (ft)	3 - 4 (ft)	2 - 3 (ft)	6 - 6 (ft)	3 - 4 (ft)	8 - 9 (ft)	5 - 6 (ft)	4 - 5 (ft)
PFAS (mg/kg)																			
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
2H,2H,3H-Perfluorooctanoic acid (5:3 FTCA)	NA	ND (0.00334)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00327)	ND (0.00329)	-	-	-	-	-	-	-
3-(Perfluoroheptyl)propanoic acid (7:3 FTCA)	NA	ND (0.00334)	ND (0.00344)	-	-	-	-	-	-	-	ND (0.00327)	ND (0.00329)	-	-	-	-	-	-	-
3:3 Fluorotelomer carboxylic acid (3:3 FTCA)	NA	ND (0.00067)	ND (0.00069)	-	-	-	-	-	-	-	ND (0.00065)	ND (0.00066)	-	-	-	-	-	-	-
4,8-Dioxa-3H-Perfluorononanoic Acid (ADONA)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NA	0.00021 J	0.00018 J	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamide (N-EtFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
N-Ethylperfluorooctane sulfonamidoethanol (N-EtFOSE)	NA	ND (0.00133)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00131)	ND (0.00131)	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (MeFOSAA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamide (N-MeFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
N-Methylperfluorooctane sulfonamidoethanol (N-MeFOSE)	NA	ND (0.00133)	ND (0.00138)	-	-	-	-	-	-	-	ND (0.00131)	ND (0.00131)	-	-	-	-	-	-	-
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00026)	-	-	-	-	-	-	-
Perfluoro(2-ethoxyethane) sulphonic acid (PFEESA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00026)	-	-	-	-	-	-	-
Perfluoro(4-methoxybutanoic) acid (PFMBA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00026)	-	-	-	-	-	-	-
Perfluoro-2-propoxypropanoic acid (PFPrOPrA)(GenX) (HFPO-DA)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
Perfluoro-3-methoxypropanoic acid (PFMPA)	NA	ND (0.00027)	ND (0.00028)	-	-	-	-	-	-	-	ND (0.00026)	ND (0.00026)	-	-	-	-	-	-	-
Perfluorobutanesulfonic acid (PFBS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorobutanoic acid (PFBA)	NA	ND (0.00053)	ND (0.00055)	-	-	-	-	-	-	-	ND (0.00052)	ND (0.00053)	-	-	-	-	-	-	-
Perfluorodecanesulfonic acid (PFDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorodecanoic acid (PFDA)	NA	0.0005	0.00011 J	-	-	-	-	-	-	-	0.00042	0.00022	-	-	-	-	-	-	-
Perfluorododecane sulfonic acid (PFDoDS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorododecanoic acid (PFDoDA)	NA	0.00022	0.00028	-	-	-	-	-	-	-	0.000043 J	ND (0.00013)	-	-	-	-	-	-	-
Perfluoroheptanesulfonic acid (PFHpS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluoroheptanoic acid (PFHpA)	NA	0.00011 J	0.000042 J	-	-	-	-	-	-	-	0.00027	0.00018	-	-	-	-	-	-	-
Perfluorohexanesulfonic acid (PFHxS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorohexanoic acid (PFHxA)	NA	0.000091 J	0.000042 J	-	-	-	-	-	-	-	0.00021	0.00012 J	-	-	-	-	-	-	-
Perfluorononane sulfonic acid (PFNS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorononanoic acid (PFNA)	NA	0.00071	0.00015	-	-	-	-	-	-	-	0.00092	0.00221	-	-	-	-	-	-	-
Perfluorooctane sulfonamide (PFOSA)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorooctanesulfonic acid (PFOS)	0.44	0.000076 J	ND (0.00014)	-	-	-	-	-	-	-	0.000052 J	0.000057 J	-	-	-	-	-	-	-
Perfluorooctanoic acid (PFOA)	0.5	0.00015	0.000044 J	-	-	-	-	-	-	-	0.00052	0.00037	-	-	-	-	-	-	-
Perfluoropentanesulfonic acid (PFPeS)	NA	ND (0.00013)	ND (0.00014)	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluoropentanoic acid (PFPeA)	NA	0.00014 J	ND (0.00028)	-	-	-	-	-	-	-	0.00011 J	0.000071 J	-	-	-	-	-	-	-
Perfluorotetradecanoic acid (PFTeDA)	NA	0.000056 J	0.000069 J	-	-	-	-	-	-	-	ND (0.00013)	ND (0.00013)	-	-	-	-	-	-	-
Perfluorotridecanoic acid (PFTrDA)	NA	0.00232	0.00254	-	-	-	-	-	-	-	0.00048	0.00026	-	-	-	-	-	-	-
Perfluoroundecanoic acid (PFUnDA)	NA	0.00441	0.00229	-	-	-	-	-	-	-	0.00212	0.00115	-	-	-	-	-	-	-

ABBREVIATIONS AND NOTES:
mg/kg: milligram per kilogram

*: LCS or LCSD is outside acceptance limits.
-: Not Analyzed
bgs: below ground surface
ft: feet
J: Value is estimated.
NA: Not Applicable
ND (2.5): Not detected, number in parentheses is the laboratory reporting limit

- For test methods used, see the laboratory data sheets.
- Soil analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Commercial Use Soil Cleanup Objectives (SCO).
- **Bold** values indicate an exceedance of the Industrial Use SCOs.

FIGURES

ARTHUR KILL

OIL/WATER SEPARATOR

DRAVO BUILDING

MARINE WAREHOUSE AND OFFICE

OFFICE AND GARAGE

23 21 20 22 19 40 42 41 24/24A 43 60 53 54 2 4 6 8 10 12 14 16 18 58 48 1 3 5 7 9 11 13 15 17 59 61 62 44 45 49 50 51 52 55 56 57

LEGEND

- CONTAINMENT BERM
- SURFACE IMPOUNDMENT
- IRM 1 BOUNDARY
- PROJECT SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: ALAMEDA COUNTY
3. AERIAL IMAGERY SOURCE; NEARMAP, 20 JUNE 2024.

0 420 840

SCALE IN FEET

HALEY ALDRICH

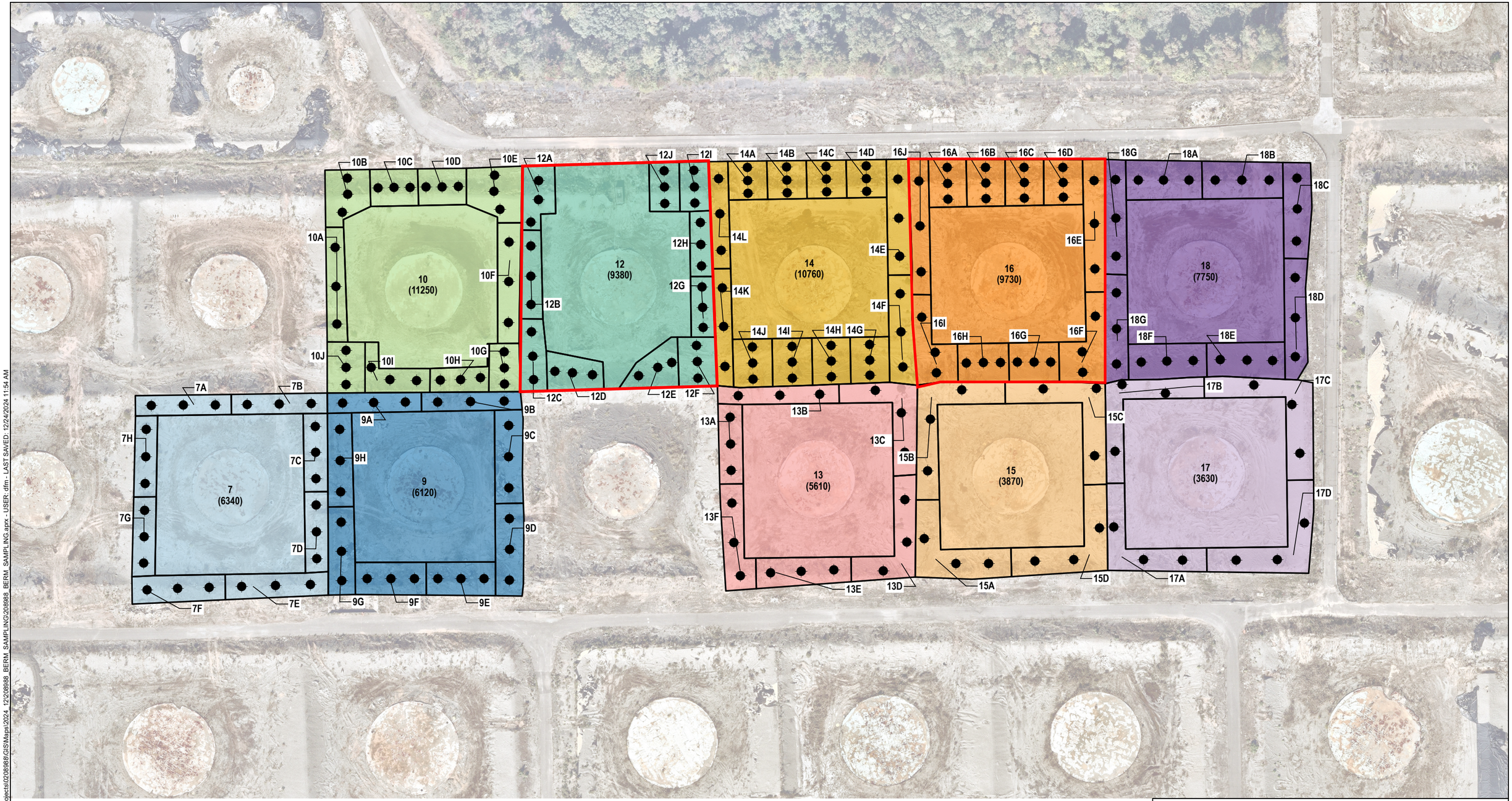
FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

SITE MAP

MARCH 2025

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\0208988\GIS\Maps\2024_07\208988_000_ALTERNATIVE_ANALYSIS\208988_000_FORMER_PORT_MOBIL_TERMINAL.aprx - USER: dfm - LAST SAVED: 10/22/2024 1:45 PM



LEGEND

- BERM PROPOSED SAMPLE LOCATION
- PROJECT SITE BOUNDARY
- SAMPLING GRID BOUNDARY
- BERM SAMPLING CONDUCTED JANUARY THROUGH FEBRUARY 2025

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: RICHMOND COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 20 JUNE 2024
4. EACH GRID INDICATES APPROXIMATELY 1,000 CUBIC YARDS OF MATERIAL

0 120 240
SCALE IN FEET

HALEY ALDRICH

FORMER PORT MOBIL TERMINAL
STATEN ISLAND, NEWYORK

BERM SAMPLING LOCATIONS

MARCH 2025

FIGURE 2

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\0208988\GIS\Maps\2024_12\208988_BERM_SAMPLING\208988_BERM_SAMPLING.aprx - USER: dfm - LAST SAVED: 12/24/2024 11:54 AM

ATTACHMENT 1
Analytical Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 2/4/2025 11:37:00 AM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319240-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

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Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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Authorized for release by
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Isotope Dilution analyte is outside acceptance limits.
B	The analyte was found in an associated blank, as well as in the sample.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-319240-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 1/23/2025 7:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2°C and 1.4°C.

Receipt Exceptions
One or more containers for the following sample(s) was received broken or leaking: one 4oz jar from sample #19 was received broken. Tests put on hold due to no volume received.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). 2 vials were received. Test put on hold. Per laboratory policy the Trip Blank sample date/time was added to reflect the latest sample date/time of the sampling event.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 12B2_6-7 (460-319240-1), 12E2_4-5 (460-319240-2), 12F2_6-7 (460-319240-3), 12E3_9-10 (460-319240-4), 12F2_4-5 (460-319240-5), 12B1_4-5 (460-319240-6), 12C3_8-9 (460-319240-7), 12D1_7-8 (460-319240-8), 12C1_3-4 (460-319240-9) and 12D2_4-5 (460-319240-10) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 01/24/2025 and analyzed on 01/28/2025 and 01/29/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018531 was outside the method criteria for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane and Dichlorodifluoromethane (biased high) and n-Butylbenzene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1018420 was outside the method criteria for the following analyte: Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1018518 was outside the method criteria for the following analytes: n-Butylbenzene and Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018531 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromomethane, Carbon disulfide and Cyclohexane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples, except for Cyclohexane; the data have been flagged and reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018420 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene. These analytes were biased low in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018518 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, tert-Butylbenzene, Styrene and trans-1,3-Dichloropropene. These analytes were biased low in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene failed the recovery criteria low for LCS 460-1018420/3. 1,2-Dibromo-3-Chloropropane, Styrene, tert-Butylbenzene and trans-1,3-Dichloropropene failed the recovery criteria low for LCS 460-1018518/3. 1,1,2-Trichloro-1,2,2-trifluoroethane, Bromomethane, Carbon disulfide and Cyclohexane failed the recovery criteria high for LCS 460-1018531/3. trans-1,3-Dichloropropene failed the recovery criteria low for LCSD 460-1018420/4. tert-Butylbenzene and trans-1,3-Dichloropropene failed the recovery criteria low for LCSD 460-1018518/4. 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon disulfide and Cyclohexane failed the recovery criteria high for LCSD 460-1018531/4. Refer to the QC report for details.

The following sample was diluted to bring the concentration of target analytes within the calibration range: 12E3_9-10 (460-319240-4). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample Trip Blank (460-319240-21) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 02/03/2025.

The continuing calibration verification (CCV) associated with batch 460-1019260 recovered above the upper control limit for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Bromoform and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1019260 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Bromoform failed the recovery criteria high for LCSD 460-1019260/5. Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18) and 12F_5-10 (460-319240-20) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 01/27/2025 and analyzed on 01/28/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018311 was outside the method criteria for the following analyte(s): < 4,6-Dinitro-2-methylphenol and Benzaldehyde>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1018329 was outside the method criteria for the following analyte(s): Hexachlorocyclopentadiene and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with

the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1018240 and analytical batch 460-1018311 recovered outside control limits for the following analytes: < Hexachlorocyclopentadiene>. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1018240/2-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCSD 460-1018240/3-A.

2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Pentachlorophenol failed the recovery criteria low for the MS of sample 460-319229-4 in batch 460-1018311. Atrazine and Hexachlorocyclopentadiene failed the recovery criteria high.

For the MSD of sample 460-319229-4 in batch 460-1018311, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol and Pentachlorophenol failed the recovery criteria low. Atrazine and Hexachlorocyclopentadiene failed the recovery criteria high. Also, 4-Chloroaniline exceeded the RPD limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18) and 12F_5-10 (460-319240-20) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 01/25/2025 and analyzed on 01/27/2025.

Several analytes failed the recovery criteria high for the MS/MSD of sample 460-319175-5 in batch 460-1018163.

Refer to the QC report for details.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18) and 12F_5-10 (460-319240-20) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 01/25/2025 and analyzed on 01/28/2025.

Surrogate recovery for the following sample was outside the upper control limit: 12D_5-10 (460-319240-16). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for 12D_5-10 (460-319240-16). Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) BY LC/MS/MS

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18), 12F_0-5 (460-319240-19) and 12F_5-10 (460-319240-20) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS in accordance with 1633. The samples were prepared on 01/27/2025 and 01/29/2025 and analyzed on 01/27/2025, 01/28/2025 and 01/29/2025.

The low level continuing calibration verification (CCVL) associated with batch 240-642714 recovered outside of control limits for IDA compound(s) d5-NEtFOSAA. Section 14.3.3 of the finalized EPA 1633 states that the recovery of target analytes for the CCVL must be within 70 - 130%, unless the analyte is not of concern for a given project. Since target analytes associated with this IDA are within spec, data is reported.

The low level continuing calibration verification (CCVL) associated with batch 240-642714 recovered above the upper control limit for N-methylperfluorooctane sulfonamide (NMeFOSA) and Perfluorodecanesulfonic acid (PFDS). The samples associated with this CCVL were below the reporting limit (RL) for the affected analytes; therefore, the data have been reported.

The low level laboratory control sample (LLCS) for preparation batch 240-642605 and analytical batch 240-642714 recovered outside control limits for the following analytes: Perfluorotridecanoic acid (PFTrDA). These analytes were biased high in the LLCS and were not detected above the reporting limit in the associated samples; therefore, the data have been reported.

The low level laboratory control sample (LLCS) and method blank (MB) associated with batch 240-642714 recovered outside of control limits for IDA compound(s) M2-8:2 FTS. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The MB is non-detect for associated target analyte(s) and the LLCS is recovering within limits for the associated target analytes(s), therefore, the associated samples are reported.

The low level laboratory control sample (LLCS) for preparation batch 240-642605 and analytical batch 240-642714 recovered outside control limits for the following analytes: Perfluorotridecanoic acid (PFTrDA). These analytes were biased high in the LLCS; however, the Laboratory control sample (LCS) was in control. The LCS being in control demonstrates that the recoveries above the LCS are reliable. The following samples all have concentration of Perfluorotridecanoic acid (PFTrDA) above the concentration of the LCS; therefore, the data has been reported.

The method blank for preparation batch 240-642605 and analytical batch 240-642714 contained Perfluorotridecanoic acid (PFTrDA) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

The sample duplicate (DUP) precision for preparation batch 240-642605 and analytical batch 240-642714 was outside control limits. Sample matrix interference is suspected.

Re-extraction required due to high recovery of PFTrDA in LLCS of previous batch. Laboratory proceeded with re-analysis. 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12D_0-5 (460-319240-15) and 12F_0-5 (460-319240-19)

Perfluorotridecanoic acid (PFTrDA) was detected in method blank MB 240-642605/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Perfluorotridecanoic acid (PFTrDA) failed the recovery criteria high for LLCS 240-642605/2-A.

Perfluoroheptanoic acid (PFHpA) exceeded the RPD limit for the duplicate of sample 12F_5-10DU (460-319240-20). Perfluorodecanoic acid (PFDA), Perfluorohexanoic acid (PFHxA), Perfluorononanoic acid (PFNA) and Perfluorooctanoic acid (PFOA) exceeded the RPD limit for the duplicate of sample 460-319288-1.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18) and 12F_5-10 (460-319240-20) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 01/29/2025.

Antimony and Calcium failed the recovery criteria low for the MS of sample 460-319319-1 in batch 460-1018609. Aluminum and Iron failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Samples 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18) and 12F_5-10 (460-319240-20) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 01/27/2025.

Mercury exceeded the RPD limit for the duplicate of sample 460-319229-4. Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 12B2_6-7 (460-319240-1), 12E2_4-5 (460-319240-2), 12F2_6-7 (460-319240-3), 12E3_9-10 (460-319240-4), 12F2_4-5 (460-319240-5), 12B1_4-5 (460-319240-6), 12C3_8-9 (460-319240-7), 12D1_7-8 (460-319240-8), 12C1_3-4 (460-319240-9), 12D2_4-5 (460-319240-10), 12B_0-5 (460-319240-11), 12B_5-10 (460-319240-12), 12C_0-5 (460-319240-13), 12C_5-10 (460-319240-14), 12D_0-5 (460-319240-15), 12D_5-10 (460-319240-16), 12E_0-5 (460-319240-17), 12E_5-10 (460-319240-18), 12F_0-5 (460-319240-19) and 12F_5-10 (460-319240-20) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/27/2025 and 01/28/2025.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12B2_6-7 — Lab Sample ID: 460-319240-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0078		0.0046	0.00034	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.086		0.0055	0.0053	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00025	J	0.00092	0.00025	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0012	J	0.0018	0.0011	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00037	J	0.00092	0.00027	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.0013		0.00092	0.00027	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E2_4-5 — Lab Sample ID: 460-319240-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00064	J	0.00076	0.00019	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.00037	J	0.00076	0.00024	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.016		0.0038	0.00028	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.081		0.0045	0.0043	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.018		0.00076	0.00020	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0011		0.00076	0.00020	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0038		0.00076	0.00017	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00033	J	0.00076	0.00015	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0038		0.00076	0.00038	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0013	J	0.0015	0.00087	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00060	J	0.00076	0.00013	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00086		0.00076	0.00018	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00060	J	0.0015	0.00013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F2_6-7 — Lab Sample ID: 460-319240-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0012		0.00073	0.00018	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.00025	J	0.00073	0.00023	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.020		0.0036	0.00027	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.15		0.0044	0.0042	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.068		0.00073	0.00019	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0010		0.00073	0.00019	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.012		0.00073	0.00016	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0022		0.00073	0.00014	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0012		0.00073	0.00021	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0067		0.00073	0.00036	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0035		0.00073	0.00013	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00027	J	0.00073	0.00021	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0010		0.00073	0.00013	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0013		0.00073	0.00014	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00098		0.00073	0.00021	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0041		0.00073	0.00017	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0048		0.0015	0.00013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E3_9-10 — Lab Sample ID: 460-319240-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.43		0.074	0.017	mg/Kg	50	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.18		0.074	0.019	mg/Kg	50	☼	8260D	Total/NA
Benzene	0.67		0.074	0.015	mg/Kg	50	☼	8260D	Total/NA
Cyclohexane	0.47	*	0.074	0.019	mg/Kg	50	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 12E3_9-10 (Continued) — Lab Sample ID: 460-319240-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.52		0.074	0.022	mg/Kg	50	☼	8260D	Total/NA
Isopropylbenzene	0.039	J	0.074	0.024	mg/Kg	50	☼	8260D	Total/NA
Methyl acetate	0.10	J	0.37	0.058	mg/Kg	50	☼	8260D	Total/NA
Methylcyclohexane	0.54		0.074	0.054	mg/Kg	50	☼	8260D	Total/NA
m-Xylene & p-Xylene	1.6		0.074	0.021	mg/Kg	50	☼	8260D	Total/NA
N-Propylbenzene	0.12		0.074	0.022	mg/Kg	50	☼	8260D	Total/NA
o-Xylene	0.49		0.074	0.024	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.52		0.074	0.019	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	2.1		0.15	0.021	mg/Kg	50	☼	8260D	Total/NA

Client Sample ID: 12F2_4-5 — Lab Sample ID: 460-319240-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.018		0.016	0.0011	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.12		0.019	0.018	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.015		0.0031	0.00080	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0012	J	0.0031	0.00069	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0016	J	0.0031	0.00062	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0023	J	0.0031	0.00054	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0015	J	0.0031	0.00061	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0015	J	0.0031	0.00073	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0038	J	0.0062	0.00054	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B1_4-5 — Lab Sample ID: 460-319240-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0033		0.00097	0.00024	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.017		0.0048	0.00036	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.071		0.0058	0.0055	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00059	J	0.00097	0.00025	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0041		0.00097	0.00021	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00030	J	0.00097	0.00019	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0082		0.00097	0.00028	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.025		0.00097	0.00048	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.025		0.00097	0.00028	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.015		0.00097	0.00017	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.039		0.00097	0.00028	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0018		0.00097	0.00027	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00054	J	0.00097	0.00023	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C3_8-9 — Lab Sample ID: 460-319240-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0050		0.0050	0.00037	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.032		0.0060	0.0057	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D1_7-8 — Lab Sample ID: 460-319240-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00050	J	0.00093	0.00023	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.023		0.0046	0.00034	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.11		0.0056	0.0053	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00058	J	0.00093	0.00024	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12D1_7-8 (Continued) — Lab Sample ID: 460-319240-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.0017		0.00093	0.00025	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0047		0.00093	0.00020	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00045	J	0.00093	0.00018	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0044		0.00093	0.00026	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.064		0.00093	0.00046	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0040		0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0019		0.00093	0.00016	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.0055		0.00093	0.00027	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0073		0.00093	0.00016	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00066	J	0.00093	0.00018	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.0085		0.00093	0.00027	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0013		0.00093	0.00026	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00072	J	0.00093	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0025		0.0019	0.00016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C1_3-4 — Lab Sample ID: 460-319240-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0094		0.0055	0.00041	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.060		0.0066	0.0063	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00038	J	0.0011	0.00028	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0011		0.0011	0.00029	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D2_4-5 — Lab Sample ID: 460-319240-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0066		0.0039	0.00029	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.042		0.0047	0.0045	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00026	J	0.00078	0.00020	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00037	J	0.00078	0.00014	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00030	J	0.00078	0.00018	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00037	J	0.0016	0.00014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B_0-5 — Lab Sample ID: 460-319240-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.023	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.014	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.017	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.022	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.017	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.037	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.015	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.017	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.021	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.14	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.12	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.69		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.088	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.69		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Aluminum	5720		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.34	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12B_0-5 (Continued)

Lab Sample ID: 460-319240-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.2		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	48.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.69		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.17	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1490		102	41.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.5		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	39.7		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	18100		61.4	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	55.0		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2360		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	207		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.1		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	757		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	71.7	J	102	46.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.079	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.8		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	109		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.024		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12B_5-10

Lab Sample ID: 460-319240-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	1.3		0.40	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.19	J	0.40	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.091	J	0.40	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.013	J	0.040	0.010	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.12	J	0.40	0.021	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.036	J	0.40	0.017	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.084	J	0.40	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.058	J	0.40	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.41		0.40	0.012	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.77		0.40	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.16	J	0.40	0.0099	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.075	J	0.20	0.049	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.37		0.20	0.049	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.24		0.20	0.049	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.53		0.20	0.049	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.83		0.20	0.050	ug/Kg	1	☼	1633	Total/NA
Aluminum	12100		21.2	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.43	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	39.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.55		0.42	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.22	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1110		106	43.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	23.3		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.7		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	27.7		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12B_5-10 (Continued)

Lab Sample ID: 460-319240-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	23700		63.7	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	86.7		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3370		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	201		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.9		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1670		106	17.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.48	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.42	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	111		106	48.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.42	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.7		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	73.3		8.5	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12C_0-5

Lab Sample ID: 460-319240-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.17	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.023	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.012	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.12	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.037	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.017	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.061	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.12	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.033	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.057	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.12	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.15	J B *	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Aluminum	7550		19.5	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.24	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.5		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	79.6		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.61		0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.15	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1460		97.6	39.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.6		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.5		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	29.5		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	17500		58.6	19.7	mg/Kg	1	☼	6020B	Total/NA
Lead	22.2		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2890		97.6	10	mg/Kg	1	☼	6020B	Total/NA
Manganese	228		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.3		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	911		97.6	15.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.34	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Sodium	75.6	J	97.6	44.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	43.9		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12C_0-5 (Continued) — Lab Sample ID: 460-319240-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.016	J	0.018	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12C_5-10 — Lab Sample ID: 460-319240-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.016	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.017	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0081	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.022	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Aluminum	8240		21.4	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.23	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.4		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	96.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.67		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1490		107	43.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.1		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	30.0		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	19400		64.3	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	19.9		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3380		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	264		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.1		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1150		107	17.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	154		107	49.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.17	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	47.4		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.010	J	0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12D_0-5 — Lab Sample ID: 460-319240-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.022	J	0.35	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.010	J	0.35	0.0087	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.062	J	0.17	0.043	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16	J	0.17	0.043	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.72		0.17	0.043	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.21		0.17	0.043	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.80		0.17	0.043	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.33		0.18	0.044	ug/Kg	1	☼	1633	Total/NA
Aluminum	3920		19.6	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.25	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	3.6		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	37.3		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.40		0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Calcium	1810		98.2	40.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12D_0-5 (Continued)

Lab Sample ID: 460-319240-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	11.8		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	23.3		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	11300		58.9	19.8	mg/Kg	1	☼	6020B	Total/NA
Lead	60.9		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1830		98.2	10.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	154		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.6		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	642		98.2	15.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.098	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Sodium	51.4	J	98.2	44.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.055	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	15.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	43.6		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.012	J	0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12D_5-10

Lab Sample ID: 460-319240-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.44		0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthene	0.15	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.075	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.12	J	0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.054	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.24	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.35	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.16	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.069	J	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.24		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.20		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.74		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Aluminum	3850		19.8	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.70	J	0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.6		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	21.2		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.42		0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.57	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	198		99.1	40.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	10		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Cobalt	20.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	36.3		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	13500		59.4	20.0	mg/Kg	1	☼	6020B	Total/NA
Lead	47.9		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1090		99.1	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	57.6		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.1		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	598		99.1	16.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.46	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.20	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.051	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12D_5-10 (Continued) — Lab Sample ID: 460-319240-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	18.1		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	50.6		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.044		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12E_0-5 — Lab Sample ID: 460-319240-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.018	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.017	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.046	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.074		0.036	0.027	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.076		0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.087		0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.079	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.027	J	0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.084	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.020	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.17	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.024	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.054		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.014	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.16	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.22	J	0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.091	J	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.34		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	5.81		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.74		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	9.99		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.21		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	6.53	B *	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.067	J	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.90		0.72	0.18	ug/Kg	1	☼	1633	Total/NA
Aluminum	6860		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.52	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	55.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.80		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.30	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1970		104	42.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.5		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	60.4		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19800		62.5	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	140		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2720		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	222		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.8		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	754		104	16.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.48	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.20	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	139		104	47.6	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12E_0-5 (Continued) — Lab Sample ID: 460-319240-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.092	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.5		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	140		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.040		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12E_5-10 — Lab Sample ID: 460-319240-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.19	J	0.38	0.096	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.16	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.24		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.49		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.27		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.050	J B *	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.065	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Aluminum	7000		21.1	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.28	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.7		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	24.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.35	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	247		106	42.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.4		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	29.6		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	14300		63.3	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	44.8		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1300		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	141		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.2		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	638		106	17.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.066	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	41.9		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0092	J	0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12F_0-5 — Lab Sample ID: 460-319240-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.12	J	0.39	0.097	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.13	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.22		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.92		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	12.0		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.78		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	11.3		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.22		0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	7.30	B *	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.073	J	0.19	0.048	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.24	J	0.77	0.19	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12F_0-5 (Continued)

Lab Sample ID: 460-319240-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	3.96		0.77	0.19	ug/Kg	1	☼	1633	Total/NA

Client Sample ID: 12F_5-10

Lab Sample ID: 460-319240-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.070	J	0.18	0.044	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.080	J	0.18	0.044	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.11	J	0.18	0.044	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.16	J	0.18	0.044	ug/Kg	1	☼	1633	Total/NA
Aluminum	7340		19.5	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.22	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.1		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	30.3		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.39		0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.19	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	351		97.7	39.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.8		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.4		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	21.4		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	18100		58.6	19.7	mg/Kg	1	☼	6020B	Total/NA
Lead	25.5		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1620		97.7	10	mg/Kg	1	☼	6020B	Total/NA
Manganese	302		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.5		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	698		97.7	15.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.33	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	45.9	J	97.7	44.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.073	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.2		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	37.0		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.013	J	0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 460-319240-21

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12B2_6-7
Date Collected: 01/23/25 14:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-1
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2-Dibromo-3-Chloropropane	0.00092	U *	0.00092	0.00043	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00034	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
2-Butanone (MEK)	**0.0078**		0.0046	0.00034	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Acetone	**0.086**		0.0055	0.0053	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Carbon disulfide	**0.00025**	**J**	0.00092	0.00025	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Carbon tetrachloride	0.00092	U	0.00092	0.00036	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chloroform	0.00092	U	0.00092	0.00090	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Ethylene Dibromide	0.00092	U	0.00092	0.00017	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Methylene Chloride	**0.0012**	**J**	0.0018	0.0011	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
n-Butylbenzene	**0.00037**	**J**	0.00092	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
sec-Butylbenzene	**0.0013**		0.00092	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Styrene	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1

Client Sample ID: 12B2_6-7

Date Collected: 01/23/25 14:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-1

Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Toluene	0.00092	U	0.00092	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
trans-1,3-Dichloropropene	0.00092	U *	0.00092	0.00025	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Trichloroethene	0.00092	U	0.00092	0.00030	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00038	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*01/24/25 21:05*	*01/28/25 22:53*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*01/24/25 21:05*	*01/28/25 22:53*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/24/25 21:05*	*01/28/25 22:53*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/24/25 21:05*	*01/28/25 22:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.2**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**91.8**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12E2_4-5

Date Collected: 01/23/25 10:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-2

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00076	U	0.00076	0.00018	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,1,2,2-Tetrachloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,1,2-Trichloroethane	0.00076	U	0.00076	0.00013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,1-Dichloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,1-Dichloroethene	0.00076	U	0.00076	0.00017	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2,3-Trichlorobenzene	0.00076	U	0.00076	0.00014	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2,4-Trichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2,4-Trimethylbenzene	**0.00064**	**J**	0.00076	0.00019	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2-Dibromo-3-Chloropropane	0.00076	U *	0.00076	0.00035	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2-Dichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2-Dichloroethane	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,2-Dichloropropane	0.00076	U	0.00076	0.00032	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,3,5-Trimethylbenzene	**0.00037**	**J**	0.00076	0.00024	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,3-Dichlorobenzene	0.00076	U	0.00076	0.00028	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
1,4-Dichlorobenzene	0.00076	U	0.00076	0.00017	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
2-Butanone (MEK)	**0.016**		0.0038	0.00028	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Acetone	**0.081**		0.0045	0.0043	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Benzene	**0.018**		0.00076	0.00020	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Bromoform	0.00076	U	0.00076	0.00032	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Bromomethane	0.0015	U	0.0015	0.00076	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1

Client Sample ID: 12E2_4-5

Date Collected: 01/23/25 10:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-2

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0011**		0.00076	0.00020	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Carbon tetrachloride	0.00076	U	0.00076	0.00029	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chlorobenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chlorobromomethane	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chlorodibromomethane	0.00076	U	0.00076	0.00015	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chloroethane	0.00076	U	0.00076	0.00040	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chloroform	0.00076	U	0.00076	0.00074	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Chloromethane	0.00076	U	0.00076	0.00033	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
cis-1,2-Dichloroethene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
cis-1,3-Dichloropropene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Cyclohexane	**0.0038**		0.00076	0.00017	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Dichlorobromomethane	0.00076	U	0.00076	0.00019	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Dichlorodifluoromethane	0.00076	U	0.00076	0.00026	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Ethylbenzene	**0.00033**	**J**	0.00076	0.00015	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Ethylene Dibromide	0.00076	U	0.00076	0.00014	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Isopropylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Methyl acetate	0.0038	U	0.0038	0.0033	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Methyl tert-butyl ether	0.00076	U	0.00076	0.00039	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Methylcyclohexane	**0.0038**		0.00076	0.00038	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Methylene Chloride	**0.0013**	**J**	0.0015	0.00087	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
m-Xylene & p-Xylene	**0.00060**	**J**	0.00076	0.00013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
n-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
N-Propylbenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
o-Xylene	0.00076	U	0.00076	0.00015	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
sec-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Styrene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
tert-Butylbenzene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Tetrachloroethene	0.00076	U	0.00076	0.00023	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Toluene	**0.00086**		0.00076	0.00018	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
trans-1,2-Dichloroethene	0.00076	U	0.00076	0.00019	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
trans-1,3-Dichloropropene	0.00076	U *	0.00076	0.00020	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Trichloroethene	0.00076	U	0.00076	0.00024	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Trichlorofluoromethane	0.00076	U	0.00076	0.00031	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Vinyl chloride	0.00076	U	0.00076	0.00041	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1
Xylenes, Total	**0.00060**	**J**	0.0015	0.00013	mg/Kg	☼	01/24/25 21:05	01/28/25 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*01/24/25 21:05*	*01/28/25 23:18*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/24/25 21:05*	*01/28/25 23:18*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/24/25 21:05*	*01/28/25 23:18*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/24/25 21:05*	*01/28/25 23:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.0**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**93.0**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12F2_6-7
Date Collected: 01/23/25 10:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-3
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00073	U	0.00073	0.00017	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,1,2,2-Tetrachloroethane	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,1,2-Trichloroethane	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,1-Dichloroethane	0.00073	U	0.00073	0.00015	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,1-Dichloroethene	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2,3-Trichlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2,4-Trimethylbenzene	**0.0012**		0.00073	0.00018	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2-Dibromo-3-Chloropropane	0.00073	U *	0.00073	0.00033	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2-Dichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2-Dichloroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,2-Dichloropropane	0.00073	U	0.00073	0.00031	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,3,5-Trimethylbenzene	**0.00025**	**J**	0.00073	0.00023	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,3-Dichlorobenzene	0.00073	U	0.00073	0.00027	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
1,4-Dichlorobenzene	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
2-Butanone (MEK)	**0.020**		0.0036	0.00027	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
2-Hexanone	0.0036	U	0.0036	0.0012	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
4-Methyl-2-pentanone (MIBK)	0.0036	U	0.0036	0.0011	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Acetone	**0.15**		0.0044	0.0042	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Benzene	**0.068**		0.00073	0.00019	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Bromoform	0.00073	U	0.00073	0.00031	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Bromomethane	0.0015	U	0.0015	0.00073	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Carbon disulfide	**0.0010**		0.00073	0.00019	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Carbon tetrachloride	0.00073	U	0.00073	0.00028	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chlorobromomethane	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chlorodibromomethane	0.00073	U	0.00073	0.00014	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chloroform	0.00073	U	0.00073	0.00071	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Chloromethane	0.00073	U	0.00073	0.00032	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
cis-1,2-Dichloroethene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
cis-1,3-Dichloropropene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Cyclohexane	**0.012**		0.00073	0.00016	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Dichlorobromomethane	0.00073	U	0.00073	0.00019	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Dichlorodifluoromethane	0.00073	U	0.00073	0.00025	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Ethylbenzene	**0.0022**		0.00073	0.00014	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Ethylene Dibromide	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Isopropylbenzene	**0.0012**		0.00073	0.00021	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Methyl acetate	0.0036	U	0.0036	0.0031	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Methyl tert-butyl ether	0.00073	U	0.00073	0.00037	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Methylcyclohexane	**0.0067**		0.00073	0.00036	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Methylene Chloride	0.0015	U	0.0015	0.00083	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
m-Xylene & p-Xylene	**0.0035**		0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
n-Butylbenzene	**0.00027**	**J**	0.00073	0.00021	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
N-Propylbenzene	**0.0010**		0.00073	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
o-Xylene	**0.0013**		0.00073	0.00014	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
sec-Butylbenzene	**0.00098**		0.00073	0.00021	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Styrene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1

Client Sample ID: 12F2_6-7

Date Collected: 01/23/25 10:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-3

Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Tetrachloroethene	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Toluene	**0.0041**		0.00073	0.00017	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
trans-1,2-Dichloroethene	0.00073	U	0.00073	0.00018	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
trans-1,3-Dichloropropene	0.00073	U *	0.00073	0.00019	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Trichloroethene	0.00073	U	0.00073	0.00023	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Trichlorofluoromethane	0.00073	U	0.00073	0.00030	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Vinyl chloride	0.00073	U	0.00073	0.00040	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1
Xylenes, Total	**0.0048**		0.0015	0.00013	mg/Kg	☼	01/24/25 21:06	01/28/25 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*01/24/25 21:06*	*01/28/25 23:43*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*01/24/25 21:06*	*01/28/25 23:43*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/24/25 21:06*	*01/28/25 23:43*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/24/25 21:06*	*01/28/25 23:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.9**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**95.1**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12E3_9-10

Date Collected: 01/23/25 11:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-4

Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.074	U	0.074	0.021	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,1,2,2-Tetrachloroethane	0.074	U	0.074	0.015	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.074	U *	0.074	0.025	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,1,2-Trichloroethane	0.074	U	0.074	0.015	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,1-Dichloroethane	0.074	U	0.074	0.018	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,1-Dichloroethene	0.074	U	0.074	0.020	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2,3-Trichlorobenzene	0.074	U	0.074	0.026	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2,4-Trichlorobenzene	0.074	U	0.074	0.020	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2,4-Trimethylbenzene	**0.43**		0.074	0.017	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2-Dibromo-3-Chloropropane	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2-Dichlorobenzene	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2-Dichloroethane	0.074	U	0.074	0.019	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,2-Dichloropropane	0.074	U	0.074	0.013	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,3,5-Trimethylbenzene	**0.18**		0.074	0.019	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,3-Dichlorobenzene	0.074	U	0.074	0.025	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
1,4-Dichlorobenzene	0.074	U	0.074	0.025	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
2-Butanone (MEK)	0.37	U	0.37	0.16	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
2-Hexanone	0.37	U	0.37	0.085	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
4-Methyl-2-pentanone (MIBK)	0.37	U	0.37	0.097	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Acetone	0.37	U	0.37	0.33	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Benzene	**0.67**		0.074	0.015	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Bromoform	0.074	U	0.074	0.013	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Bromomethane	0.074	U *	0.074	0.041	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50

Client Sample ID: 12E3_9-10
Date Collected: 01/23/25 11:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-4
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.074	U *	0.074	0.050	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Carbon tetrachloride	0.074	U	0.074	0.025	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chlorobenzene	0.074	U	0.074	0.018	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chlorobromomethane	0.074	U	0.074	0.022	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chlorodibromomethane	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chloroethane	0.074	U	0.074	0.028	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chloroform	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Chloromethane	0.074	U	0.074	0.030	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
cis-1,2-Dichloroethene	0.074	U	0.074	0.019	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
cis-1,3-Dichloropropene	0.074	U	0.074	0.017	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Cyclohexane	**0.47**	*	0.074	0.019	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Dichlorobromomethane	0.074	U	0.074	0.011	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Dichlorodifluoromethane	0.074	U	0.074	0.023	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Ethylbenzene	**0.52**		0.074	0.022	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Ethylene Dibromide	0.074	U	0.074	0.014	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Isopropylbenzene	**0.039**	**J**	0.074	0.024	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Methyl acetate	**0.10**	**J**	0.37	0.058	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Methyl tert-butyl ether	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Methylcyclohexane	**0.54**		0.074	0.054	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Methylene Chloride	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
m-Xylene & p-Xylene	**1.6**		0.074	0.021	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
n-Butylbenzene	0.074	U	0.074	0.020	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
N-Propylbenzene	**0.12**		0.074	0.022	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
o-Xylene	**0.49**		0.074	0.024	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
sec-Butylbenzene	0.074	U	0.074	0.023	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Styrene	0.074	U	0.074	0.013	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
tert-Butylbenzene	0.074	U	0.074	0.021	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Tetrachloroethene	0.074	U	0.074	0.027	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Toluene	**0.52**		0.074	0.019	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
trans-1,2-Dichloroethene	0.074	U	0.074	0.013	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
trans-1,3-Dichloropropene	0.074	U	0.074	0.017	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Trichloroethene	0.074	U	0.074	0.016	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Trichlorofluoromethane	0.074	U	0.074	0.024	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Vinyl chloride	0.074	U	0.074	0.015	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50
Xylenes, Total	**2.1**		0.15	0.021	mg/Kg	☼	01/24/25 21:03	01/29/25 14:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*60 - 150*	*01/24/25 21:03*	*01/29/25 14:24*	*50*
4-Bromofluorobenzene	*111*		*70 - 150*	*01/24/25 21:03*	*01/29/25 14:24*	*50*
Dibromofluoromethane (Surr)	*108*		*68 - 150*	*01/24/25 21:03*	*01/29/25 14:24*	*50*
Toluene-d8 (Surr)	*104*		*64 - 157*	*01/24/25 21:03*	*01/29/25 14:24*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			01/27/25 07:12	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12F2_4-5
Date Collected: 01/23/25 10:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-5
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0031	U	0.0031	0.00073	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,1,2,2-Tetrachloroethane	0.0031	U	0.0031	0.00067	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0031	U	0.0031	0.00094	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,1,2-Trichloroethane	0.0031	U	0.0031	0.00056	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,1-Dichloroethane	0.0031	U	0.0031	0.00064	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,1-Dichloroethene	0.0031	U	0.0031	0.00070	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2,3-Trichlorobenzene	0.0031	U	0.0031	0.00056	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2,4-Trichlorobenzene	0.0031	U	0.0031	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2,4-Trimethylbenzene	0.0031	U	0.0031	0.00077	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2-Dibromo-3-Chloropropane	0.0031	U *	0.0031	0.0014	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2-Dichlorobenzene	0.0031	U	0.0031	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2-Dichloroethane	0.0031	U	0.0031	0.00092	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,2-Dichloropropane	0.0031	U	0.0031	0.0013	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,3,5-Trimethylbenzene	0.0031	U	0.0031	0.00098	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,3-Dichlorobenzene	0.0031	U	0.0031	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
1,4-Dichlorobenzene	0.0031	U	0.0031	0.00070	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
2-Butanone (MEK)	**0.018**		0.016	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
2-Hexanone	0.016	U	0.016	0.0053	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
4-Methyl-2-pentanone (MIBK)	0.016	U	0.016	0.0048	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Acetone	**0.12**		0.019	0.018	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Benzene	**0.015**		0.0031	0.00080	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Bromoform	0.0031	U	0.0031	0.0013	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Bromomethane	0.0062	U	0.0062	0.0031	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Carbon disulfide	0.0031	U	0.0031	0.00083	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Carbon tetrachloride	0.0031	U	0.0031	0.0012	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chlorobenzene	0.0031	U	0.0031	0.00055	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chlorobromomethane	0.0031	U	0.0031	0.00088	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chlorodibromomethane	0.0031	U	0.0031	0.00061	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chloroethane	0.0031	U	0.0031	0.0016	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chloroform	0.0031	U	0.0031	0.0030	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Chloromethane	0.0031	U	0.0031	0.0014	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
cis-1,2-Dichloroethene	0.0031	U	0.0031	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
cis-1,3-Dichloropropene	0.0031	U	0.0031	0.00085	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Cyclohexane	**0.0012**	**J**	0.0031	0.00069	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Dichlorobromomethane	0.0031	U	0.0031	0.00080	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Dichlorodifluoromethane	0.0031	U	0.0031	0.0011	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Ethylbenzene	**0.0016**	**J**	0.0031	0.00062	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Ethylene Dibromide	0.0031	U	0.0031	0.00056	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Isopropylbenzene	0.0031	U	0.0031	0.00089	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Methyl acetate	0.016	U	0.016	0.013	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Methyl tert-butyl ether	0.0031	U	0.0031	0.0016	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Methylcyclohexane	0.0031	U	0.0031	0.0016	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Methylene Chloride	0.0062	U	0.0062	0.0036	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
m-Xylene & p-Xylene	**0.0023**	**J**	0.0031	0.00054	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
n-Butylbenzene	0.0031	U	0.0031	0.00092	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
N-Propylbenzene	0.0031	U	0.0031	0.00055	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
o-Xylene	**0.0015**	**J**	0.0031	0.00061	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
sec-Butylbenzene	0.0031	U	0.0031	0.00090	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Styrene	0.0031	U *	0.0031	0.00087	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1

Client Sample ID: 12F2_4-5

Date Collected: 01/23/25 10:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-5

Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0031	U *	0.0031	0.00086	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Tetrachloroethene	0.0031	U	0.0031	0.00095	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Toluene	**0.0015**	**J**	0.0031	0.00073	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
trans-1,2-Dichloroethene	0.0031	U	0.0031	0.00077	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
trans-1,3-Dichloropropene	0.0031	U *	0.0031	0.00083	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Trichloroethene	0.0031	U	0.0031	0.0010	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Trichlorofluoromethane	0.0031	U	0.0031	0.0013	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Vinyl chloride	0.0031	U	0.0031	0.0017	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1
Xylenes, Total	**0.0038**	**J**	0.0062	0.00054	mg/Kg	☼	01/24/25 21:06	01/29/25 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*65 - 138*	*01/24/25 21:06*	*01/29/25 12:26*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*01/24/25 21:06*	*01/29/25 12:26*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*01/24/25 21:06*	*01/29/25 12:26*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/24/25 21:06*	*01/29/25 12:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.6**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**94.4**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12B1_4-5

Date Collected: 01/23/25 14:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-6

Matrix: Solid
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00020	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2,4-Trimethylbenzene	**0.0033**		0.00097	0.00024	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2-Dibromo-3-Chloropropane	0.00097	U *	0.00097	0.00044	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
2-Butanone (MEK)	**0.017**		0.0048	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
2-Hexanone	0.0048	U	0.0048	0.0017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Acetone	**0.071**		0.0058	0.0055	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Benzene	**0.00059**	**J**	0.00097	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1

Client Sample ID: 12B1_4-5
Date Collected: 01/23/25 14:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-6
Matrix: Solid
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Carbon tetrachloride	0.00097	U	0.00097	0.00037	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chlorobenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chlorobromomethane	0.00097	U	0.00097	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chlorodibromomethane	0.00097	U	0.00097	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Cyclohexane	**0.0041**		0.00097	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Ethylbenzene	**0.00030**	**J**	0.00097	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Ethylene Dibromide	0.00097	U	0.00097	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Isopropylbenzene	**0.0082**		0.00097	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Methyl acetate	0.0048	U	0.0048	0.0042	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00050	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Methylcyclohexane	**0.025**		0.00097	0.00048	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
n-Butylbenzene	**0.025**		0.00097	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
N-Propylbenzene	**0.015**		0.00097	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
o-Xylene	0.00097	U	0.00097	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
sec-Butylbenzene	**0.039**		0.00097	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
tert-Butylbenzene	**0.0018**		0.00097	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Tetrachloroethene	0.00097	U	0.00097	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Toluene	**0.00054**	**J**	0.00097	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
trans-1,3-Dichloropropene	0.00097	U *	0.00097	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*01/24/25 21:07*	*01/29/25 02:36*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*01/24/25 21:07*	*01/29/25 02:36*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*01/24/25 21:07*	*01/29/25 02:36*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/24/25 21:07*	*01/29/25 02:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.4**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**91.6**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12C3_8-9
Date Collected: 01/23/25 13:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-7
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00046	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
2-Butanone (MEK)	**0.0050**		0.0050	0.00037	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Acetone	**0.032**		0.0060	0.0057	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
N-Propylbenzene	0.0010	U	0.0010	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1

Client Sample ID: 12C3_8-9

Date Collected: 01/23/25 13:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-7

Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
trans-1,3-Dichloropropene	0.0010	U *	0.0010	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*01/24/25 21:07*	*01/29/25 00:57*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/24/25 21:07*	*01/29/25 00:57*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*01/24/25 21:07*	*01/29/25 00:57*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/24/25 21:07*	*01/29/25 00:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12D1_7-8

Date Collected: 01/23/25 12:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-8

Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00020	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00019	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2,4-Trimethylbenzene	**0.00050**	**J**	0.00093	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2-Dibromo-3-Chloropropane	0.00093	U *	0.00093	0.00043	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00021	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
2-Butanone (MEK)	**0.023**		0.0046	0.00034	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Acetone	**0.11**		0.0056	0.0053	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Benzene	**0.00058**	**J**	0.00093	0.00024	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1

Client Sample ID: 12D1_7-8

Date Collected: 01/23/25 12:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-8

Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0017**		0.00093	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chlorobenzene	0.00093	U	0.00093	0.00016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chlorobromomethane	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chlorodibromomethane	0.00093	U	0.00093	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Cyclohexane	**0.0047**		0.00093	0.00020	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Ethylbenzene	**0.00045**	**J**	0.00093	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Ethylene Dibromide	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Isopropylbenzene	**0.0044**		0.00093	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00047	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Methylcyclohexane	**0.064**		0.00093	0.00046	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Methylene Chloride	**0.0040**		0.0019	0.0011	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
m-Xylene & p-Xylene	**0.0019**		0.00093	0.00016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
n-Butylbenzene	**0.0055**		0.00093	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
N-Propylbenzene	**0.0073**		0.00093	0.00016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
o-Xylene	**0.00066**	**J**	0.00093	0.00018	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
sec-Butylbenzene	**0.0085**		0.00093	0.00027	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
tert-Butylbenzene	**0.0013**		0.00093	0.00026	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Toluene	**0.00072**	**J**	0.00093	0.00022	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
trans-1,3-Dichloropropene	0.00093	U *	0.00093	0.00025	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1
Xylenes, Total	**0.0025**		0.0019	0.00016	mg/Kg	☼	01/24/25 21:07	01/29/25 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*01/24/25 21:07*	*01/29/25 01:22*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/24/25 21:07*	*01/29/25 01:22*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/24/25 21:07*	*01/29/25 01:22*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*01/24/25 21:07*	*01/29/25 01:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12C1_3-4
Date Collected: 01/23/25 12:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-9
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00051	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
2-Butanone (MEK)	**0.0094**		0.0055	0.00041	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Acetone	**0.060**		0.0066	0.0063	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Benzene	**0.00038**	**J**	0.0011	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Carbon disulfide	**0.0011**		0.0011	0.00029	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1

Client Sample ID: 12C1_3-4

Date Collected: 01/23/25 12:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-9
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00029	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*01/24/25 21:08*	*01/29/25 01:47*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/24/25 21:08*	*01/29/25 01:47*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*01/24/25 21:08*	*01/29/25 01:47*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/24/25 21:08*	*01/29/25 01:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.6**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**89.4**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12D2_4-5

Date Collected: 01/23/25 11:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-10
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00016	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2,4-Trimethylbenzene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2-Dibromo-3-Chloropropane	0.00078	U *	0.00078	0.00036	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
2-Butanone (MEK)	**0.0066**		0.0039	0.00029	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Acetone	**0.042**		0.0047	0.0045	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Benzene	**0.00026**	**J**	0.00078	0.00020	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Bromomethane	0.0016	U	0.0016	0.00078	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1

Client Sample ID: 12D2_4-5
Date Collected: 01/23/25 11:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-10
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chlorobromomethane	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chlorodibromomethane	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chloroform	0.00078	U	0.00078	0.00076	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00026	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Ethylbenzene	0.00078	U	0.00078	0.00016	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Ethylene Dibromide	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Methyl acetate	0.0039	U	0.0039	0.0034	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Methylene Chloride	0.0016	U	0.0016	0.00089	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
m-Xylene & p-Xylene	**0.00037**	**J**	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
N-Propylbenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
o-Xylene	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
sec-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
tert-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Toluene	**0.00030**	**J**	0.00078	0.00018	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
trans-1,3-Dichloropropene	0.00078	U *	0.00078	0.00021	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Vinyl chloride	0.00078	U	0.00078	0.00043	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1
Xylenes, Total	**0.00037**	**J**	0.0016	0.00014	mg/Kg	☼	01/24/25 21:08	01/29/25 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*01/24/25 21:08*	*01/29/25 02:12*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*01/24/25 21:08*	*01/29/25 02:12*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*01/24/25 21:08*	*01/29/25 02:12*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*01/24/25 21:08*	*01/29/25 02:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.7**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**92.3**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Methylnaphthalene	**0.023**	**J**	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzo[a]pyrene	**0.014**	**J**	0.038	0.010	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzo[b]fluoranthene	**0.017**	**J**	0.038	0.0098	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzo[g,h,i]perylene	**0.022**	**J**	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Chrysene	**0.017**	**J**	0.38	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1

Client Sample ID: 12B_0-5

Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11

Matrix: Solid
Percent Solids: 87.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Di-n-butyl phthalate	**0.037**	**J**	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Fluoranthene	**0.015**	**J**	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Hexachlorocyclopentadiene	0.38	U *	0.38	0.033	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Naphthalene	**0.017**	**J**	0.38	0.0066	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1
Pyrene	**0.021**	**J**	0.38	0.0094	mg/Kg	☼	01/27/25 11:40	01/28/25 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*24 - 137*	*01/27/25 11:40*	*01/28/25 09:39*	*1*
2-Fluorobiphenyl	*81*		*38 - 128*	*01/27/25 11:40*	*01/28/25 09:39*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*01/27/25 11:40*	*01/28/25 09:39*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*01/27/25 11:40*	*01/28/25 09:39*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*01/27/25 11:40*	*01/28/25 09:39*	*1*
Terphenyl-d14 (Surr)	*83*		*44 - 147*	*01/27/25 11:40*	*01/28/25 09:39*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	01/25/25 18:32	01/27/25 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:02*	*1*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:02*	*1*
Tetrachloro-m-xylene	*66*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:02*	*1*
Tetrachloro-m-xylene	*72*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:35*	*1*
DCB Decachlorobiphenyl	*81*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:35*	*1*
Tetrachloro-m-xylene	*67*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:35*	*1*
Tetrachloro-m-xylene	*64*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:35*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoropentanoic acid (PFPeA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorononanoic acid (PFNA)	**0.14**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorodecanoic acid (PFDA)	**0.12**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoroundecanoic acid (PFUnA)	**1.69**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorododecanoic acid (PFDoA)	**0.088**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorotridecanoic acid (PFTrDA)	**0.69**		0.19	0.048	ug/Kg	☼	01/29/25 08:12	01/29/25 20:07	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid
Percent Solids: 87.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.91	U	1.91	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.91	U	1.91	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.96	U	0.96	0.24	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.78	U	4.78	1.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.78	U	4.78	1.19	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 21:40	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:40*	*1*
13C4 PFBA	*93.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:07*	*1*
13C5 PFPeA	*96.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:40*	*1*
13C5 PFPeA	*98.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:07*	*1*
13C5 PFHxA	*88.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:40*	*1*
13C5 PFHxA	*101*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:07*	*1*
13C4 PFHpA	*90.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:40*	*1*
13C4 PFHpA	*100*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:07*	*1*
13C8 PFOA	*94.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:40*	*1*

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid
Percent Solids: 87.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOA	89.5		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C9 PFNA	98.7		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C9 PFNA	91.6		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C6 PFDA	84.7		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C6 PFDA	89.5		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C7 PFUnA	84.0		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C7 PFUnA	85.2		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C2 PFTeDA	78.3		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C2 PFTeDA	79.4		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C3 PFBS	88.8		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C3 PFBS	88.8		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C3 PFHxS	102		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C3 PFHxS	88.2		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C8 PFOS	81.6		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C8 PFOS	91.0		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C8 FOSA	78.9		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C8 FOSA	86.7		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d3-NMeFOSAA	88.1		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d3-NMeFOSAA	75.7		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d5-NEtFOSAA	106		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d5-NEtFOSAA	83.5		20 - 150	01/29/25 08:12	01/29/25 20:07	1
M2-4:2 FTS	106		20 - 150	01/27/25 08:17	01/27/25 21:40	1
M2-4:2 FTS	96.3		20 - 150	01/29/25 08:12	01/29/25 20:07	1
M2-6:2 FTS	109		20 - 150	01/27/25 08:17	01/27/25 21:40	1
M2-6:2 FTS	101		20 - 150	01/29/25 08:12	01/29/25 20:07	1
M2-8:2 FTS	108		20 - 150	01/27/25 08:17	01/27/25 21:40	1
M2-8:2 FTS	97.9		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C3 HFPO-DA	105		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C3 HFPO-DA	100		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d7-N-MeFOSE-M	74.1		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d7-N-MeFOSE-M	72.8		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d9-N-EtFOSE-M	77.3		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d9-N-EtFOSE-M	70.5		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d5-NEtPFOSA	73.4		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d5-NEtPFOSA	64.9		20 - 150	01/29/25 08:12	01/29/25 20:07	1
d3-NMePFOSA	65.5		20 - 150	01/27/25 08:17	01/27/25 21:40	1
d3-NMePFOSA	69.7		20 - 150	01/29/25 08:12	01/29/25 20:07	1
13C2-PFDoDA	70.6		20 - 150	01/27/25 08:17	01/27/25 21:40	1
13C2-PFDoDA	80.6		20 - 150	01/29/25 08:12	01/29/25 20:07	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5720		20.5	5.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Antimony	0.34	J	1.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Arsenic	5.2		1.0	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Barium	48.8		2.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Beryllium	0.69		0.41	0.058	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Cadmium	0.17	J	1.0	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Calcium	1490		102	41.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Chromium	19.5		2.0	0.93	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1

Client Sample ID: 12B_0-5

Lab Sample ID: 460-319240-11

Date Collected: 01/23/25 13:50
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 87.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	8.0		2.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Copper	39.7		2.0	0.38	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Iron	18100		61.4	20.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Lead	55.0		0.61	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Magnesium	2360		102	10.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Manganese	207		4.1	0.41	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Nickel	20.1		2.0	0.48	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Potassium	757		102	16.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Selenium	0.27	J	1.3	0.13	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Silver	0.11	J	0.41	0.091	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Sodium	71.7	J	102	46.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Thallium	0.079	J	0.41	0.042	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Vanadium	19.8		2.0	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1
Zinc	109		8.2	3.1	mg/Kg	☼	01/29/25 06:04	01/29/25 14:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0082	mg/Kg	☼	01/27/25 01:29	01/27/25 06:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.8		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	87.2		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12B_5-10

Lab Sample ID: 460-319240-12

Date Collected: 01/23/25 14:05
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 82.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.40	U	0.40	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
1,2,4,5-Tetrachlorobenzene	0.40	U	0.40	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
1,4-Dioxane	0.040	U	0.040	0.035	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,2'-oxybis[1-chloropropane]	0.40	U	0.40	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,3,4,6-Tetrachlorophenol	0.40	U	0.40	0.027	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4,5-Trichlorophenol	0.40	U	0.40	0.041	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.051	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4-Dichlorophenol	0.16	U	0.16	0.026	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4-Dimethylphenol	0.40	U	0.40	0.048	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4-Dinitrophenol	0.32	U	0.32	0.20	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,4-Dinitrotoluene	0.081	U	0.081	0.043	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2,6-Dinitrotoluene	0.081	U	0.081	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Chloronaphthalene	0.40	U	0.40	0.019	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Chlorophenol	0.40	U	0.40	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Methylnaphthalene	1.3		0.40	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Methylphenol	0.40	U	0.40	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Nitroaniline	0.40	U	0.40	0.030	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
2-Nitrophenol	0.40	U	0.40	0.040	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
3 & 4 Methylphenol	0.40	U	0.40	0.025	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.060	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1

Client Sample ID: 12B_5-10
Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12
Matrix: Solid
Percent Solids: 82.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	0.40	U	0.40	0.095	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Bromophenyl phenyl ether	0.40	U	0.40	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Chloro-3-methylphenol	0.40	U	0.40	0.022	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Chloroaniline	0.40	U	0.40	0.071	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Chlorophenyl phenyl ether	0.40	U	0.40	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Methylphenol	0.40	U	0.40	0.025	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Nitroaniline	0.40	U	0.40	0.046	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
4-Nitrophenol	0.81	U	0.81	0.065	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Acenaphthene	**0.19**	**J**	0.40	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Acenaphthylene	0.40	U	0.40	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Acetophenone	0.40	U	0.40	0.020	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Anthracene	**0.091**	**J**	0.40	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Atrazine	0.16	U	0.16	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzaldehyde	0.40	U	0.40	0.066	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzo[a]anthracene	0.040	U	0.040	0.030	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzo[a]pyrene	0.040	U	0.040	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzo[b]fluoranthene	**0.013**	**J**	0.040	0.010	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzo[g,h,i]perylene	0.40	U	0.40	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Benzo[k]fluoranthene	0.040	U	0.040	0.0078	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Bis(2-chloroethoxy)methane	0.40	U	0.40	0.031	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Bis(2-chloroethyl)ether	0.040	U	0.040	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Bis(2-ethylhexyl) phthalate	**0.12**	**J**	0.40	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Butyl benzyl phthalate	0.40	U	0.40	0.019	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Caprolactam	0.40	U	0.40	0.062	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Carbazole	0.40	U	0.40	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Chrysene	**0.036**	**J**	0.40	0.017	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Dibenz(a,h)anthracene	0.040	U	0.040	0.017	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Dibenzofuran	0.40	U	0.40	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Diethyl phthalate	0.40	U	0.40	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Dimethyl phthalate	0.40	U	0.40	0.091	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Di-n-butyl phthalate	**0.084**	**J**	0.40	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Di-n-octyl phthalate	0.40	U	0.40	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Fluoranthene	**0.058**	**J**	0.40	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Fluorene	**0.41**		0.40	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Hexachlorobenzene	0.040	U	0.040	0.019	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Hexachlorobutadiene	0.081	U	0.081	0.0085	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Hexachlorocyclopentadiene	0.40	U *	0.40	0.035	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Hexachloroethane	0.040	U	0.040	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Indeno[1,2,3-cd]pyrene	0.040	U	0.040	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Isophorone	0.16	U	0.16	0.12	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Naphthalene	0.40	U	0.40	0.0069	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Nitrobenzene	0.040	U	0.040	0.022	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
N-Nitrosodi-n-propylamine	0.040	U	0.040	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
N-Nitrosodiphenylamine	0.40	U	0.40	0.033	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Pentachlorophenol	0.32	U	0.32	0.082	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Phenanthrene	**0.77**		0.40	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Phenol	0.40	U	0.40	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1
Pyrene	**0.16**	**J**	0.40	0.0099	mg/Kg	☼	01/27/25 11:40	01/28/25 08:23	1

Client Sample ID: 12B_5-10

Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12

Matrix: Solid
Percent Solids: 82.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*24 - 137*	*01/27/25 11:40*	*01/28/25 08:23*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*01/27/25 11:40*	*01/28/25 08:23*	*1*
2-Fluorophenol (Surr)	*63*		*31 - 133*	*01/27/25 11:40*	*01/28/25 08:23*	*1*
Nitrobenzene-d5 (Surr)	*68*		*31 - 120*	*01/27/25 11:40*	*01/28/25 08:23*	*1*
Phenol-d5 (Surr)	*67*		*35 - 132*	*01/27/25 11:40*	*01/28/25 08:23*	*1*
Terphenyl-d14 (Surr)	*72*		*44 - 147*	*01/27/25 11:40*	*01/28/25 08:23*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0081	U	0.0081	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
4,4'-DDE	0.0081	U	0.0081	0.00096	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
4,4'-DDT	0.0081	U	0.0081	0.0015	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Aldrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
alpha-BHC	0.0024	U	0.0024	0.00082	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
beta-BHC	0.0024	U	0.0024	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Chlordane (technical)	0.081	U	0.081	0.020	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
cis-Chlordane	0.0081	U	0.0081	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
delta-BHC	0.0024	U	0.0024	0.00050	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Dieldrin	0.0024	U	0.0024	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endosulfan I	0.0081	U	0.0081	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endosulfan II	0.0081	U	0.0081	0.0021	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endosulfan sulfate	0.0081	U	0.0081	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endrin	0.0081	U	0.0081	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endrin aldehyde	0.0081	U	0.0081	0.0019	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Endrin ketone	0.0081	U	0.0081	0.0016	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00075	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Heptachlor	0.0081	U	0.0081	0.00096	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Heptachlor epoxide	0.0081	U	0.0081	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Methoxychlor	0.0081	U	0.0081	0.0019	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1
Toxaphene	0.081	U	0.081	0.029	mg/Kg	☼	01/25/25 18:32	01/27/25 11:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:18*	*1*
DCB Decachlorobiphenyl	*105*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:18*	*1*
Tetrachloro-m-xylene	*67*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:18*	*1*
Tetrachloro-m-xylene	*65*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1221	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1232	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1242	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1248	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1254	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1260	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor-1262	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Aroclor 1268	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1
Polychlorinated biphenyls, Total	0.081	U	0.081	0.022	mg/Kg	☼	01/25/25 18:30	01/28/25 04:52	1

Client Sample ID: 12B_5-10

Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12

Matrix: Solid
Percent Solids: 82.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*110*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:52*	*1*
DCB Decachlorobiphenyl	*132*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:52*	*1*
Tetrachloro-m-xylene	*67*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:52*	*1*
Tetrachloro-m-xylene	*60*		*20 - 150*	*01/25/25 18:30*	*01/28/25 04:52*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.099	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorooctanoic acid (PFOA)	**0.075**	**J**	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorononanoic acid (PFNA)	**0.37**		0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorodecanoic acid (PFDA)	**0.24**		0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoroundecanoic acid (PFUnA)	**1.53**		0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorotridecanoic acid (PFTrDA)	**0.83**		0.20	0.050	ug/Kg	☼	01/29/25 08:12	01/29/25 20:23	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.98	U	1.98	0.49	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.98	U	1.98	0.49	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12B_5-10
Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12
Matrix: Solid
Percent Solids: 82.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.40	U	0.40	0.099	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.40	U	0.40	0.099	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.79	U	0.79	0.20	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.40	U	0.40	0.099	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.99	U	0.99	0.25	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.95	U	4.95	1.24	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.95	U	4.95	1.24	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.049	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.40	U	0.40	0.099	ug/Kg	☼	01/27/25 08:17	01/27/25 21:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C4 PFBA	*89.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C5 PFPeA	*94.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C5 PFPeA	*84.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C5 PFHxA	*88.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C5 PFHxA	*88.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C4 PFHpA	*86.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C4 PFHpA	*85.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C8 PFOA	*94.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C8 PFOA	*88.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C9 PFNA	*93.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C9 PFNA	*88.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C6 PFDA	*86.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C6 PFDA	*83.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C7 PFUnA	*90.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C7 PFUnA	*81.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C2 PFTeDA	*80.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C2 PFTeDA	*66.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C3 PFBS	*89.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C3 PFBS	*83.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C3 PFHxS	*99.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C3 PFHxS	*88.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C8 PFOS	*85.3*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C8 PFOS	*84.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
13C8 FOSA	*86.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
13C8 FOSA	*84.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
d3-NMeFOSAA	*94.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
d3-NMeFOSAA	*74.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
d5-NEtFOSAA	*114*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*
d5-NEtFOSAA	*81.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:23*	*1*
M2-4:2 FTS	*114*		*20 - 150*	*01/27/25 08:17*	*01/27/25 21:56*	*1*

Client Sample ID: 12B_5-10

Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12

Matrix: Solid
Percent Solids: 82.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	91.8		20 - 150	01/29/25 08:12	01/29/25 20:23	1
M2-6:2 FTS	113		20 - 150	01/27/25 08:17	01/27/25 21:56	1
M2-6:2 FTS	98.0		20 - 150	01/29/25 08:12	01/29/25 20:23	1
M2-8:2 FTS	108		20 - 150	01/27/25 08:17	01/27/25 21:56	1
M2-8:2 FTS	101		20 - 150	01/29/25 08:12	01/29/25 20:23	1
13C3 HFPO-DA	98.2		20 - 150	01/27/25 08:17	01/27/25 21:56	1
13C3 HFPO-DA	96.0		20 - 150	01/29/25 08:12	01/29/25 20:23	1
d7-N-MeFOSE-M	84.7		20 - 150	01/27/25 08:17	01/27/25 21:56	1
d7-N-MeFOSE-M	72.9		20 - 150	01/29/25 08:12	01/29/25 20:23	1
d9-N-EtFOSE-M	84.8		20 - 150	01/27/25 08:17	01/27/25 21:56	1
d9-N-EtFOSE-M	71.5		20 - 150	01/29/25 08:12	01/29/25 20:23	1
d5-NEtPFOSA	80.3		20 - 150	01/27/25 08:17	01/27/25 21:56	1
d5-NEtPFOSA	62.5		20 - 150	01/29/25 08:12	01/29/25 20:23	1
d3-NMePFOSA	74.8		20 - 150	01/27/25 08:17	01/27/25 21:56	1
d3-NMePFOSA	67.5		20 - 150	01/29/25 08:12	01/29/25 20:23	1
13C2-PFDoDA	78.0		20 - 150	01/27/25 08:17	01/27/25 21:56	1
13C2-PFDoDA	76.2		20 - 150	01/29/25 08:12	01/29/25 20:23	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12100		21.2	5.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Antimony	0.43	J	1.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Arsenic	7.1		1.1	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Barium	39.3		2.1	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Beryllium	0.55		0.42	0.061	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Cadmium	0.22	J	1.1	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Calcium	1110		106	43.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Chromium	23.3		2.1	0.96	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Cobalt	7.7		2.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Copper	27.7		2.1	0.39	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Iron	23700		63.7	21.5	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Lead	86.7		0.64	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Magnesium	3370		106	10.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Manganese	201		4.2	0.43	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Nickel	16.9		2.1	0.50	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Potassium	1670		106	17.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Selenium	0.48	J	1.3	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Silver	0.14	J	0.42	0.095	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Sodium	111		106	48.5	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Thallium	0.12	J	0.42	0.044	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Vanadium	30.7		2.1	0.22	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1
Zinc	73.3		8.5	3.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0091	mg/Kg	☼	01/27/25 01:29	01/27/25 06:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	17.4		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12B_5-10

Lab Sample ID: 460-319240-12

Date Collected: 01/23/25 14:05
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 82.6

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	82.6		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12C_0-5

Lab Sample ID: 460-319240-13

Date Collected: 01/23/25 12:25
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 86.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Methylnaphthalene	**0.17**	**J**	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Acenaphthene	**0.023**	**J**	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Anthracene	**0.012**	**J**	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1

Client Sample ID: 12C_0-5
Date Collected: 01/23/25 12:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-13
Matrix: Solid
Percent Solids: 86.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.12**	**J**	0.38	0.020	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Di-n-butyl phthalate	**0.037**	**J**	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Fluoranthene	**0.017**	**J**	0.38	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Fluorene	**0.061**	**J**	0.38	0.011	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Hexachlorocyclopentadiene	0.38	U *	0.38	0.033	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Phenanthrene	**0.12**	**J**	0.38	0.016	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1
Pyrene	**0.033**	**J**	0.38	0.0095	mg/Kg	☼	01/27/25 11:40	01/28/25 08:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*01/27/25 11:40*	*01/28/25 08:42*	*1*
2-Fluorobiphenyl	*94*		*38 - 128*	*01/27/25 11:40*	*01/28/25 08:42*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 133*	*01/27/25 11:40*	*01/28/25 08:42*	*1*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*01/27/25 11:40*	*01/28/25 08:42*	*1*
Phenol-d5 (Surr)	*85*		*35 - 132*	*01/27/25 11:40*	*01/28/25 08:42*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*01/27/25 11:40*	*01/28/25 08:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1

Client Sample ID: 12C_0-5
Date Collected: 01/23/25 12:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-13
Matrix: Solid
Percent Solids: 86.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	01/25/25 18:32	01/27/25 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:34*	*1*
DCB Decachlorobiphenyl	*96*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:34*	*1*
Tetrachloro-m-xylene	*86*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:34*	*1*
Tetrachloro-m-xylene	*90*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:08*	*1*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:08*	*1*
Tetrachloro-m-xylene	*82*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:08*	*1*
Tetrachloro-m-xylene	*80*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:08*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoropentanoic acid (PFPeA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorononanoic acid (PFNA)	**0.057**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoroundecanoic acid (PFUnA)	**0.12**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorotridecanoic acid (PFTrDA)	**0.15**	**J B ***	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1

Client Sample ID: 12C_0-5
Date Collected: 01/23/25 12:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-13
Matrix: Solid
Percent Solids: 86.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.92	U	1.92	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.92	U	1.92	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.96	U	0.96	0.24	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.80	U	4.80	1.20	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.80	U	4.80	1.20	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/27/25 22:13	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:13*	*1*
13C5 PFPeA	*94.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:13*	*1*
13C5 PFHxA	*95.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:13*	*1*

Client Sample ID: 12C_0-5

Date Collected: 01/23/25 12:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-13

Matrix: Solid
Percent Solids: 86.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	91.5		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C8 PFOA	94.6		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C9 PFNA	98.0		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C6 PFDA	87.0		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C7 PFUnA	91.3		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C2 PFTeDA	72.4		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C3 PFBS	89.3		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C3 PFHxS	99.3		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C8 PFOS	83.6		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C8 FOSA	84.9		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d3-NMeFOSAA	93.8		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d5-NEtFOSAA	101		20 - 150	01/27/25 08:17	01/27/25 22:13	1
M2-4:2 FTS	116		20 - 150	01/27/25 08:17	01/27/25 22:13	1
M2-6:2 FTS	110		20 - 150	01/27/25 08:17	01/27/25 22:13	1
M2-8:2 FTS	104		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C3 HFPO-DA	108		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d7-N-MeFOSE-M	76.2		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d9-N-EtFOSE-M	82.5		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d5-NEtPFOSA	73.0		20 - 150	01/27/25 08:17	01/27/25 22:13	1
d3-NMePFOSA	72.6		20 - 150	01/27/25 08:17	01/27/25 22:13	1
13C2-PFDoDA	73.7		20 - 150	01/27/25 08:17	01/27/25 22:13	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7550		19.5	5.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Antimony	0.24	J	0.98	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Arsenic	4.5		0.98	0.10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Barium	79.6		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Beryllium	0.61		0.39	0.056	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Cadmium	0.15	J	0.98	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Calcium	1460		97.6	39.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Chromium	16.6		2.0	0.89	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Cobalt	6.5		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Copper	29.5		2.0	0.36	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Iron	17500		58.6	19.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Lead	22.2		0.59	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Magnesium	2890		97.6	10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Manganese	228		3.9	0.39	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Nickel	13.3		2.0	0.46	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Potassium	911		97.6	15.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Selenium	0.34	J	1.2	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Silver	0.11	J	0.39	0.087	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Sodium	75.6	J	97.6	44.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Thallium	0.13	J	0.39	0.040	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Vanadium	24.8		2.0	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1
Zinc	43.9		7.8	3.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:27	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0084	mg/Kg	☼	01/27/25 01:29	01/27/25 06:39	1

Client Sample ID: 12C_0-5

Lab Sample ID: 460-319240-13

Date Collected: 01/23/25 12:25
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 86.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.2		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	86.8		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12C_5-10

Lab Sample ID: 460-319240-14

Date Collected: 01/23/25 12:45
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 86.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Methylnaphthalene	0.016	J	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Atrazine	0.15	U	0.15	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0099	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzo[g,h,i]perylene	0.016	J	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1

Client Sample ID: 12C_5-10
Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Fluoranthene	**0.017**	**J**	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Naphthalene	**0.0081**	**J**	0.38	0.0066	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Phenanthrene	**0.022**	**J**	0.38	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1
Pyrene	**0.016**	**J**	0.38	0.0095	mg/Kg	☼	01/27/25 09:19	01/28/25 08:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*	*01/27/25 09:19*	*01/28/25 08:32*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*01/27/25 09:19*	*01/28/25 08:32*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*01/27/25 09:19*	*01/28/25 08:32*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*01/27/25 09:19*	*01/28/25 08:32*	*1*
Phenol-d5 (Surr)	*72*		*35 - 132*	*01/27/25 09:19*	*01/28/25 08:32*	*1*
Terphenyl-d14 (Surr)	*88*		*44 - 147*	*01/27/25 09:19*	*01/28/25 08:32*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
4,4'-DDE	0.0078	U	0.0078	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
cis-Chlordane	0.0078	U	0.0078	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1

Client Sample ID: 12C_5-10

Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14

Matrix: Solid
Percent Solids: 86.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Endosulfan sulfate	0.0078	U	0.0078	0.00097	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Heptachlor	0.0078	U	0.0078	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	01/25/25 18:32	01/27/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:50*	*1*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*01/25/25 18:32*	*01/27/25 11:50*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:50*	*1*
Tetrachloro-m-xylene	*82*		*21 - 150*	*01/25/25 18:32*	*01/27/25 11:50*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1221	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1232	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1242	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1248	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1254	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1260	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor-1262	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Aroclor 1268	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.021	mg/Kg	☼	01/25/25 18:30	01/28/25 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:25*	*1*
DCB Decachlorobiphenyl	*82*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:25*	*1*
Tetrachloro-m-xylene	*69*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:25*	*1*
Tetrachloro-m-xylene	*67*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:25*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoropentanoic acid (PFPeA)	0.38	U	0.38	0.095	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorohexanoic acid (PFHxA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoroheptanoic acid (PFHpA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorooctanoic acid (PFOA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorononanoic acid (PFNA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorotridecanoic acid (PFTrDA)	0.19	U *	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1

Client Sample ID: 12C_5-10
Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14
Matrix: Solid
Percent Solids: 86.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.90	U	1.90	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.90	U	1.90	0.48	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.095	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	U	0.38	0.095	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.76	U	0.76	0.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.095	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.95	U	0.95	0.24	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.76	U	4.76	1.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.76	U	4.76	1.19	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.095	ug/Kg	☼	01/27/25 08:17	01/27/25 22:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:30*	*1*
13C5 PFPeA	*92.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:30*	*1*
13C5 PFHxA	*85.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:30*	*1*

Client Sample ID: 12C_5-10

Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14

Matrix: Solid
Percent Solids: 86.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	86.5		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C8 PFOA	98.0		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C9 PFNA	97.2		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C6 PFDA	87.1		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C7 PFUnA	94.3		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C2 PFTeDA	79.6		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C3 PFBS	97.2		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C3 PFHxS	100		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C8 PFOS	82.3		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C8 FOSA	85.1		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d3-NMeFOSAA	89.4		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d5-NEtFOSAA	94.6		20 - 150	01/27/25 08:17	01/27/25 22:30	1
M2-4:2 FTS	125		20 - 150	01/27/25 08:17	01/27/25 22:30	1
M2-6:2 FTS	116		20 - 150	01/27/25 08:17	01/27/25 22:30	1
M2-8:2 FTS	109		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C3 HFPO-DA	96.3		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d7-N-MeFOSE-M	74.2		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d9-N-EtFOSE-M	84.0		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d5-NEtPFOSA	74.4		20 - 150	01/27/25 08:17	01/27/25 22:30	1
d3-NMePFOSA	72.4		20 - 150	01/27/25 08:17	01/27/25 22:30	1
13C2-PFDoDA	75.2		20 - 150	01/27/25 08:17	01/27/25 22:30	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8240		21.4	5.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Antimony	0.23	J	1.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Arsenic	5.4		1.1	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Barium	96.9		2.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Beryllium	0.67		0.43	0.061	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Cadmium	0.14	J	1.1	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Calcium	1490		107	43.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Chromium	19.1		2.1	0.97	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Cobalt	8.6		2.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Copper	30.0		2.1	0.39	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Iron	19400		64.3	21.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Lead	19.9		0.64	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Magnesium	3380		107	10.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Manganese	264		4.3	0.43	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Nickel	16.1		2.1	0.50	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Potassium	1150		107	17.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Selenium	0.28	J	1.3	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Silver	0.11	J	0.43	0.095	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Sodium	154		107	49.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Thallium	0.17	J	0.43	0.044	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Vanadium	26.4		2.1	0.22	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1
Zinc	47.4		8.6	3.3	mg/Kg	☼	01/29/25 06:04	01/29/25 14:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.018	0.0083	mg/Kg	☼	01/27/25 01:29	01/27/25 06:40	1

Client Sample ID: 12C_5-10

Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14

Matrix: Solid
Percent Solids: 86.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.6		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	86.4		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12D_0-5

Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15

Matrix: Solid
Percent Solids: 94.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
1,4-Dioxane	0.035	U	0.035	0.030	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
3-Nitroaniline	0.35	U	0.35	0.083	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Acenaphthene	0.35	U	0.35	0.0099	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzo[a]pyrene	0.035	U	0.035	0.0093	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0090	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0068	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1

Client Sample ID: 12D_0-5
Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Di-n-octyl phthalate	0.35	U	0.35	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Naphthalene	0.35	U	0.35	0.0060	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Nitrobenzene	0.035	U	0.035	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Phenanthrene	**0.022**	**J**	0.35	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1
Pyrene	**0.010**	**J**	0.35	0.0087	mg/Kg	☼	01/27/25 09:19	01/28/25 08:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*01/27/25 09:19*	*01/28/25 08:55*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*01/27/25 09:19*	*01/28/25 08:55*	*1*
2-Fluorophenol (Surr)	*66*		*31 - 133*	*01/27/25 09:19*	*01/28/25 08:55*	*1*
Nitrobenzene-d5 (Surr)	*69*		*31 - 120*	*01/27/25 09:19*	*01/28/25 08:55*	*1*
Phenol-d5 (Surr)	*69*		*35 - 132*	*01/27/25 09:19*	*01/28/25 08:55*	*1*
Terphenyl-d14 (Surr)	*84*		*44 - 147*	*01/27/25 09:19*	*01/28/25 08:55*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1

Client Sample ID: 12D_0-5
Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	01/25/25 18:32	01/27/25 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:06*	*1*
DCB Decachlorobiphenyl	*124*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:06*	*1*
Tetrachloro-m-xylene	*96*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:06*	*1*
Tetrachloro-m-xylene	*81*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:06*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:42*	*1*
DCB Decachlorobiphenyl	*123*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:42*	*1*
Tetrachloro-m-xylene	*75*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:42*	*1*
Tetrachloro-m-xylene	*68*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:42*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoropentanoic acid (PFPeA)	0.35	U	0.35	0.087	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorohexanoic acid (PFHxA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoroheptanoic acid (PFHpA)	**0.062**	**J**	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorooctanoic acid (PFOA)	**0.16**	**J**	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorononanoic acid (PFNA)	**0.72**		0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorodecanoic acid (PFDA)	**0.21**		0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoroundecanoic acid (PFUnA)	**0.80**		0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorododecanoic acid (PFDoA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorotridecanoic acid (PFTrDA)	**0.33**		0.18	0.044	ug/Kg	☼	01/29/25 08:12	01/29/25 20:40	1
Perfluorotetradecanoic acid (PFTeDA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1

Client Sample ID: 12D_0-5
Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15
Matrix: Solid
Percent Solids: 94.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoropentanesulfonic acid (PFPeS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoroheptanesulfonic acid (PFHpS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorooctanesulfonic acid (PFOS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorononanesulfonic acid (PFNS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorododecanesulfonic acid (PFDoS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorooctanesulfonamide (PFOSA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.73	U	1.73	0.43	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.73	U	1.73	0.43	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.35	U	0.35	0.087	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.35	U	0.35	0.087	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.69	U	0.69	0.17	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.35	U	0.35	0.087	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.87	U	0.87	0.22	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.33	U	4.33	1.08	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.33	U	4.33	1.08	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluorodecanesulfonic acid (PFDS)	0.17	U	0.17	0.043	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.35	U	0.35	0.087	ug/Kg	☼	01/27/25 08:17	01/27/25 22:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 22:46*	*1*
13C4 PFBA	*89.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 20:40*	*1*

Client Sample ID: 12D_0-5
Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15
Matrix: Solid
Percent Solids: 94.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	99.7		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C5 PFPeA	84.1		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C5 PFHxA	94.6		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C5 PFHxA	83.1		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C4 PFHpA	93.4		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C4 PFHpA	83.4		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C8 PFOA	95.3		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C8 PFOA	90.7		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C9 PFNA	98.0		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C9 PFNA	88.6		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C6 PFDA	88.2		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C6 PFDA	84.4		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C7 PFUnA	92.1		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C7 PFUnA	83.1		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C2 PFTeDA	81.2		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C2 PFTeDA	65.9		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C3 PFBS	90.0		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C3 PFBS	88.2		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C3 PFHxS	101		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C3 PFHxS	84.0		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C8 PFOS	86.3		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C8 PFOS	88.0		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C8 FOSA	87.3		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C8 FOSA	80.9		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d3-NMeFOSAA	94.4		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d3-NMeFOSAA	73.3		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d5-NEtFOSAA	98.9		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d5-NEtFOSAA	87.7		20 - 150	01/29/25 08:12	01/29/25 20:40	1
M2-4:2 FTS	109		20 - 150	01/27/25 08:17	01/27/25 22:46	1
M2-4:2 FTS	98.9		20 - 150	01/29/25 08:12	01/29/25 20:40	1
M2-6:2 FTS	116		20 - 150	01/27/25 08:17	01/27/25 22:46	1
M2-6:2 FTS	99.6		20 - 150	01/29/25 08:12	01/29/25 20:40	1
M2-8:2 FTS	113		20 - 150	01/27/25 08:17	01/27/25 22:46	1
M2-8:2 FTS	96.6		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C3 HFPO-DA	106		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C3 HFPO-DA	76.1		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d7-N-MeFOSE-M	76.7		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d7-N-MeFOSE-M	74.3		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d9-N-EtFOSE-M	84.3		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d9-N-EtFOSE-M	69.3		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d5-NEtPFOSA	80.5		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d5-NEtPFOSA	63.1		20 - 150	01/29/25 08:12	01/29/25 20:40	1
d3-NMePFOSA	75.9		20 - 150	01/27/25 08:17	01/27/25 22:46	1
d3-NMePFOSA	67.9		20 - 150	01/29/25 08:12	01/29/25 20:40	1
13C2-PFDoDA	72.7		20 - 150	01/27/25 08:17	01/27/25 22:46	1
13C2-PFDoDA	76.6		20 - 150	01/29/25 08:12	01/29/25 20:40	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3920		19.6	5.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1

Client Sample ID: 12D_0-5

Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15

Matrix: Solid
Percent Solids: 94.3

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.25	J	0.98	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Arsenic	3.6		0.98	0.10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Barium	37.3		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Beryllium	0.40		0.39	0.056	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Cadmium	0.98	U	0.98	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Calcium	1810		98.2	40.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Chromium	11.8		2.0	0.89	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Cobalt	4.3		2.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Copper	23.3		2.0	0.36	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Iron	11300		58.9	19.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Lead	60.9		0.59	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Magnesium	1830		98.2	10.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Manganese	154		3.9	0.40	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Nickel	11.6		2.0	0.46	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Potassium	642		98.2	15.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Selenium	0.17	J	1.2	0.13	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Silver	0.098	J	0.39	0.087	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Sodium	51.4	J	98.2	44.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Thallium	0.055	J	0.39	0.040	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Vanadium	15.6		2.0	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1
Zinc	43.6		7.9	3.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.017	0.0078	mg/Kg	☼	01/27/25 01:29	01/27/25 06:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.7		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	94.3		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12D_5-10

Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4-Dimethylphenol	0.36	U	0.36	0.044	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1

Client Sample ID: 12D_5-10
Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2-Methylnaphthalene	**0.44**		0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
3-Nitroaniline	0.36	U	0.36	0.087	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Acenaphthene	**0.15**	**J**	0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Acenaphthylene	**0.075**	**J**	0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzo[a]anthracene	0.036	U	0.036	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Dibenzofuran	**0.12**	**J**	0.36	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Fluoranthene	**0.054**	**J**	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Fluorene	**0.24**	**J**	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1

Client Sample ID: 12D_5-10

Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Phenanthrene	**0.35**	**J**	0.36	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1
Pyrene	**0.16**	**J**	0.36	0.0091	mg/Kg	☼	01/27/25 09:19	01/28/25 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*01/27/25 09:19*	*01/28/25 11:31*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*01/27/25 09:19*	*01/28/25 11:31*	*1*
2-Fluorophenol (Surr)	*65*		*31 - 133*	*01/27/25 09:19*	*01/28/25 11:31*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*01/27/25 09:19*	*01/28/25 11:31*	*1*
Phenol-d5 (Surr)	*66*		*35 - 132*	*01/27/25 09:19*	*01/28/25 11:31*	*1*
Terphenyl-d14 (Surr)	*82*		*44 - 147*	*01/27/25 09:19*	*01/28/25 11:31*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/25/25 18:32	01/27/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*131*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:22*	*1*
DCB Decachlorobiphenyl	*136*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:22*	*1*
Tetrachloro-m-xylene	*81*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:22*	*1*
Tetrachloro-m-xylene	*79*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1

Client Sample ID: 12D_5-10

Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*127*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:58*	*1*
DCB Decachlorobiphenyl	*162*	*	*20 - 150*	*01/25/25 18:30*	*01/28/25 05:58*	*1*
Tetrachloro-m-xylene	*79*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:58*	*1*
Tetrachloro-m-xylene	*70*		*20 - 150*	*01/25/25 18:30*	*01/28/25 05:58*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoropentanoic acid (PFPeA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorohexanoic acid (PFHxA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoroheptanoic acid (PFHpA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorooctanoic acid (PFOA)	**0.069**	**J**	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorononanoic acid (PFNA)	**0.24**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorodecanoic acid (PFDA)	**0.20**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoroundecanoic acid (PFUnA)	**1.74**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorotridecanoic acid (PFTrDA)	0.18	U *	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorooctanesulfonic acid (PFOS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1

Client Sample ID: 12D_5-10
Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16
Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.91	U	0.91	0.23	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.53	U	4.53	1.13	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.53	U	4.53	1.13	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C5 PFPeA	*98.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C5 PFHxA	*91.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C4 PFHpA	*91.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C8 PFOA	*99.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C9 PFNA	*103*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C6 PFDA	*88.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C7 PFUnA	*94.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C2 PFTeDA	*88.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C3 PFBS	*93.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C3 PFHxS	*105*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C8 PFOS	*86.9*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C8 FOSA	*92.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d3-NMeFOSAA	*99.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d5-NEtFOSAA	*89.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
M2-4:2 FTS	*119*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
M2-6:2 FTS	*116*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
M2-8:2 FTS	*116*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
13C3 HFPO-DA	*100*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d7-N-MeFOSE-M	*77.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d9-N-EtFOSE-M	*88.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d5-NEtPFOSA	*82.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*
d3-NMePFOSA	*76.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:03*	*1*

Client Sample ID: 12D_5-10

Lab Sample ID: 460-319240-16
Date Collected: 01/23/25 12:05
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	84.0		20 - 150	01/27/25 08:17	01/27/25 23:03	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	3850		19.8	5.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Antimony	0.70	J	0.99	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Arsenic	7.6		0.99	0.10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Barium	21.2		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Beryllium	0.42		0.40	0.056	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Cadmium	0.57	J	0.99	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Calcium	198		99.1	40.3	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Chromium	10		2.0	0.90	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Cobalt	20.7		2.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Copper	36.3		2.0	0.36	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Iron	13500		59.4	20.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Lead	47.9		0.59	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Magnesium	1090		99.1	10.1	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Manganese	57.6		4.0	0.40	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Nickel	8.1		2.0	0.47	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Potassium	598		99.1	16.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Selenium	0.46	J	1.2	0.13	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Silver	0.20	J	0.40	0.088	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Sodium	99.1	U	99.1	45.3	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Thallium	0.051	J	0.40	0.041	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Vanadium	18.1		2.0	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1
Zinc	50.6		7.9	3.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.018	0.0083	mg/Kg	☼	01/27/25 01:29	01/27/25 06:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.9		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	90.1		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12E_0-5

Lab Sample ID: 460-319240-17
Date Collected: 01/23/25 10:45
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1

Client Sample ID: 12E_0-5
Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Methylnaphthalene	**0.018**	**J**	0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Acenaphthylene	**0.017**	**J**	0.36	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Anthracene	**0.046**	**J**	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzo[a]anthracene	**0.074**		0.036	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzo[a]pyrene	**0.076**		0.036	0.0096	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzo[b]fluoranthene	**0.087**		0.036	0.0093	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzo[g,h,i]perylene	**0.079**	**J**	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Benzo[k]fluoranthene	**0.027**	**J**	0.036	0.0071	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Chrysene	**0.084**	**J**	0.36	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Di-n-butyl phthalate	**0.020**	**J**	0.36	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Fluoranthene	**0.17**	**J**	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Fluorene	**0.024**	**J**	0.36	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1

Client Sample ID: 12E_0-5

Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Indeno[1,2,3-cd]pyrene	**0.054**		0.036	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Naphthalene	**0.014**	**J**	0.36	0.0062	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Phenanthrene	**0.16**	**J**	0.36	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1
Pyrene	**0.22**	**J**	0.36	0.0090	mg/Kg	☼	01/27/25 09:19	01/28/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*01/27/25 09:19*	*01/28/25 12:16*	*1*
2-Fluorobiphenyl	*81*		*38 - 128*	*01/27/25 09:19*	*01/28/25 12:16*	*1*
2-Fluorophenol (Surr)	*69*		*31 - 133*	*01/27/25 09:19*	*01/28/25 12:16*	*1*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*	*01/27/25 09:19*	*01/28/25 12:16*	*1*
Phenol-d5 (Surr)	*72*		*35 - 132*	*01/27/25 09:19*	*01/28/25 12:16*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*01/27/25 09:19*	*01/28/25 12:16*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	01/25/25 18:32	01/27/25 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:37*	*1*
DCB Decachlorobiphenyl	*117*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:37*	*1*
Tetrachloro-m-xylene	*90*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:37*	*1*
Tetrachloro-m-xylene	*72*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:37*	*1*

Client Sample ID: 12E_0-5
Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 07:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*01/25/25 18:30*	*01/28/25 07:55*	*1*
DCB Decachlorobiphenyl	*101*		*20 - 150*	*01/25/25 18:30*	*01/28/25 07:55*	*1*
Tetrachloro-m-xylene	*64*		*20 - 150*	*01/25/25 18:30*	*01/28/25 07:55*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*01/25/25 18:30*	*01/28/25 07:55*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoropentanoic acid (PFPeA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorohexanoic acid (PFHxA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoroheptanoic acid (PFHpA)	**0.091**	**J**	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorooctanoic acid (PFOA)	**0.34**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorononanoic acid (PFNA)	**5.81**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorodecanoic acid (PFDA)	**0.74**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoroundecanoic acid (PFUnA)	**9.99**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorododecanoic acid (PFDoA)	**0.21**		0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorotridecanoic acid (PFTrDA)	**6.53**	**B ***	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorotetradecanoic acid (PFTeDA)	**0.067**	**J**	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorooctanesulfonic acid (PFOS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**1.90**		0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1

Client Sample ID: 12E_0-5
Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17
Matrix: Solid
Percent Solids: 91.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.72	U	0.72	0.18	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.91	U	0.91	0.23	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.53	U	4.53	1.13	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.53	U	4.53	1.13	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.045	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.36	U	0.36	0.091	ug/Kg	☼	01/27/25 08:17	01/27/25 23:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C5 PFPeA	*95.3*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C5 PFHxA	*85.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C4 PFHpA	*84.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C8 PFOA	*96.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C9 PFNA	*99.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C6 PFDA	*83.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C7 PFUnA	*88.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C2 PFTeDA	*72.9*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C3 PFBS	*94.3*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C3 PFHxS	*106*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C8 PFOS	*87.3*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C8 FOSA	*87.0*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
d3-NMeFOSAA	*93.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
d5-NEtFOSAA	*93.5*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
M2-4:2 FTS	*115*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
M2-6:2 FTS	*114*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
M2-8:2 FTS	*108*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*
13C3 HFPO-DA	*96.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 23:19*	*1*

Client Sample ID: 12E_0-5

Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17

Matrix: Solid
Percent Solids: 91.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	75.0		20 - 150	01/27/25 08:17	01/27/25 23:19	1
d9-N-EtFOSE-M	84.4		20 - 150	01/27/25 08:17	01/27/25 23:19	1
d5-NEtPFOSA	80.7		20 - 150	01/27/25 08:17	01/27/25 23:19	1
d3-NMePFOSA	75.3		20 - 150	01/27/25 08:17	01/27/25 23:19	1
13C2-PFDoDA	74.2		20 - 150	01/27/25 08:17	01/27/25 23:19	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6860		20.8	5.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Antimony	0.52	J	1.0	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Arsenic	5.9		1.0	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Barium	55.5		2.1	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Beryllium	0.80		0.42	0.059	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Cadmium	0.30	J	1.0	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Calcium	1970		104	42.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Chromium	22.5		2.1	0.95	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Cobalt	8.4		2.1	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Copper	60.4		2.1	0.38	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Iron	19800		62.5	21.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Lead	140		0.62	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Magnesium	2720		104	10.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Manganese	222		4.2	0.42	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Nickel	27.8		2.1	0.49	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Potassium	754		104	16.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Selenium	0.48	J	1.3	0.13	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Silver	0.20	J	0.42	0.093	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Sodium	139		104	47.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Thallium	0.092	J	0.42	0.043	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Vanadium	28.5		2.1	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1
Zinc	140		8.3	3.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.016	0.0077	mg/Kg	☼	01/27/25 01:29	01/27/25 06:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.6		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	91.4		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12E_5-10

Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18

Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	01/27/25 09:19	01/28/25 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*01/27/25 09:19*	*01/28/25 09:17*	*1*
2-Fluorobiphenyl	*89*		*38 - 128*	*01/27/25 09:19*	*01/28/25 09:17*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*01/27/25 09:19*	*01/28/25 09:17*	*1*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*	*01/27/25 09:19*	*01/28/25 09:17*	*1*
Phenol-d5 (Surr)	*86*		*35 - 132*	*01/27/25 09:19*	*01/28/25 09:17*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*01/27/25 09:19*	*01/28/25 09:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	01/25/25 18:32	01/27/25 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:53*	*1*

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*17 - 150*	*01/25/25 18:32*	*01/27/25 12:53*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:53*	*1*
Tetrachloro-m-xylene	*91*		*21 - 150*	*01/25/25 18:32*	*01/27/25 12:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	01/25/25 18:30	01/28/25 08:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:12*	*1*
DCB Decachlorobiphenyl	*109*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:12*	*1*
Tetrachloro-m-xylene	*75*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:12*	*1*
Tetrachloro-m-xylene	*75*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:12*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoropentanoic acid (PFPeA)	**0.19**	**J**	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorohexanoic acid (PFHxA)	**0.16**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoroheptanoic acid (PFHpA)	**0.24**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorooctanoic acid (PFOA)	**0.49**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorononanoic acid (PFNA)	**1.27**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorodecanoic acid (PFDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoroundecanoic acid (PFUnA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorododecanoic acid (PFDoA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorotridecanoic acid (PFTrDA)	**0.050**	**J B ***	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorotetradecanoic acid (PFTeDA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorooctanesulfonic acid (PFOS)	**0.065**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid
Percent Solids: 86.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.92	U	1.92	0.48	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.92	U	1.92	0.48	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.96	U	0.96	0.24	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.79	U	4.79	1.20	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.79	U	4.79	1.20	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.096	ug/Kg	☼	01/27/25 08:17	01/28/25 00:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C5 PFPeA	*85.1*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C5 PFHxA	*82.1*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C4 PFHpA	*82.1*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C8 PFOA	*97.4*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C9 PFNA	*99.8*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C6 PFDA	*88.2*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C7 PFUnA	*93.8*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C2 PFTeDA	*69.2*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C3 PFBS	*96.7*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C3 PFHxS	*107*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C8 PFOS	*83.2*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*
13C8 FOSA	*87.9*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:09*	*1*

Client Sample ID: 12E_5-10

Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18

Matrix: Solid
Percent Solids: 86.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	92.1		20 - 150	01/27/25 08:17	01/28/25 00:09	1
d5-NEtFOSAA	105		20 - 150	01/27/25 08:17	01/28/25 00:09	1
M2-4:2 FTS	120		20 - 150	01/27/25 08:17	01/28/25 00:09	1
M2-6:2 FTS	119		20 - 150	01/27/25 08:17	01/28/25 00:09	1
M2-8:2 FTS	111		20 - 150	01/27/25 08:17	01/28/25 00:09	1
13C3 HFPO-DA	87.5		20 - 150	01/27/25 08:17	01/28/25 00:09	1
d7-N-MeFOSE-M	73.2		20 - 150	01/27/25 08:17	01/28/25 00:09	1
d9-N-EtFOSE-M	80.9		20 - 150	01/27/25 08:17	01/28/25 00:09	1
d5-NEtPFOSA	71.7		20 - 150	01/27/25 08:17	01/28/25 00:09	1
d3-NMePFOSA	69.5		20 - 150	01/27/25 08:17	01/28/25 00:09	1
13C2-PFDoDA	76.8		20 - 150	01/27/25 08:17	01/28/25 00:09	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7000		21.1	5.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Antimony	0.28	J	1.1	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Arsenic	4.7		1.1	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Barium	24.6		2.1	0.15	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Beryllium	0.35	J	0.42	0.060	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Calcium	247		106	42.9	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Chromium	10.4		2.1	0.96	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Cobalt	5.3		2.1	0.16	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Copper	29.6		2.1	0.39	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Iron	14300		63.3	21.3	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Lead	44.8		0.63	0.21	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Magnesium	1300		106	10.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Manganese	141		4.2	0.43	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Nickel	8.2		2.1	0.50	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Potassium	638		106	17.1	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Selenium	0.22	J	1.3	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Silver	0.42	U	0.42	0.094	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Sodium	106	U	106	48.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Thallium	0.066	J	0.42	0.043	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Vanadium	17.8		2.1	0.22	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1
Zinc	41.9		8.4	3.2	mg/Kg	☼	01/29/25 06:04	01/29/25 14:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0092	J	0.019	0.0091	mg/Kg	☼	01/27/25 01:29	01/27/25 06:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.1		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	86.9		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12F_0-5
Date Collected: 01/23/25 12:20
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-19
Matrix: Solid
Percent Solids: 86.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoropentanoic acid (PFPeA)	**0.12**	**J**	0.39	0.097	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorohexanoic acid (PFHxA)	**0.13**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoroheptanoic acid (PFHpA)	**0.22**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorooctanoic acid (PFOA)	**0.92**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorononanoic acid (PFNA)	**12.0**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorodecanoic acid (PFDA)	**0.78**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoroundecanoic acid (PFUnA)	**11.3**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorododecanoic acid (PFDoA)	**0.22**		0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorotridecanoic acid (PFTrDA)	**7.30**	**B ***	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorotetradecanoic acid (PFTeDA)	**0.073**	**J**	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.24**	**J**	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**3.96**		0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.93	U	1.93	0.48	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.93	U	1.93	0.48	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.39	U	0.39	0.097	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.39	U	0.39	0.097	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1

Client Sample ID: 12F_0-5

Lab Sample ID: 460-319240-19
Date Collected: 01/23/25 12:20
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 86.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.77	U	0.77	0.19	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.39	U	0.39	0.097	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.97	U	0.97	0.24	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.84	U	4.84	1.21	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.84	U	4.84	1.21	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.048	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.39	U	0.39	0.097	ug/Kg	☼	01/27/25 08:17	01/28/25 00:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.7*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C5 PFPeA	*92.4*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C5 PFHxA	*85.8*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C4 PFHpA	*86.4*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C8 PFOA	*98.7*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C9 PFNA	*99.1*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C6 PFDA	*85.6*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C7 PFUnA	*90.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C2 PFTeDA	*66.6*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C3 PFBS	*92.0*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C3 PFHxS	*105*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C8 PFOS	*82.2*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C8 FOSA	*81.7*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d3-NMeFOSAA	*94.7*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d5-NEtFOSAA	*96.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
M2-4:2 FTS	*111*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
M2-6:2 FTS	*118*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
M2-8:2 FTS	*112*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C3 HFPO-DA	*101*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d7-N-MeFOSE-M	*71.2*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d9-N-EtFOSE-M	*80.5*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d5-NEtPFOSA	*79.1*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
d3-NMePFOSA	*74.8*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*
13C2-PFDoDA	*72.6*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	**86.1**		0.1	0.1	%			01/28/25 16:15	1
Percent Moisture (EPA Moisture)	**13.9**		0.1	0.1	%			01/28/25 16:15	1

Client Sample ID: 12F_5-10

Lab Sample ID: 460-319240-20
Date Collected: 01/23/25 10:30
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 93.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1

Client Sample ID: 12F_5-10
Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
3-Nitroaniline	0.35	U	0.35	0.083	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1

Client Sample ID: 12F_5-10

Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20

Matrix: Solid
Percent Solids: 93.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	01/27/25 09:19	01/28/25 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*01/27/25 09:19*	*01/28/25 09:40*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/27/25 09:19*	*01/28/25 09:40*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*01/27/25 09:19*	*01/28/25 09:40*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*01/27/25 09:19*	*01/28/25 09:40*	*1*
Phenol-d5 (Surr)	*71*		*35 - 132*	*01/27/25 09:19*	*01/28/25 09:40*	*1*
Terphenyl-d14 (Surr)	*83*		*44 - 147*	*01/27/25 09:19*	*01/28/25 09:40*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1

Client Sample ID: 12F_5-10
Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	01/25/25 18:32	01/27/25 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*17 - 150*	*01/25/25 18:32*	*01/27/25 13:09*	*1*
DCB Decachlorobiphenyl	*98*		*17 - 150*	*01/25/25 18:32*	*01/27/25 13:09*	*1*
Tetrachloro-m-xylene	*87*		*21 - 150*	*01/25/25 18:32*	*01/27/25 13:09*	*1*
Tetrachloro-m-xylene	*83*		*21 - 150*	*01/25/25 18:32*	*01/27/25 13:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	01/25/25 18:30	01/28/25 08:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:29*	*1*
DCB Decachlorobiphenyl	*90*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:29*	*1*
Tetrachloro-m-xylene	*71*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:29*	*1*
Tetrachloro-m-xylene	*69*		*20 - 150*	*01/25/25 18:30*	*01/28/25 08:29*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoropentanoic acid (PFPeA)	0.35	U	0.35	0.088	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorohexanoic acid (PFHxA)	**0.070**	**J**	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoroheptanoic acid (PFHpA)	**0.080**	**J**	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorononanoic acid (PFNA)	**0.16**	**J**	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorodecanoic acid (PFDA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoroundecanoic acid (PFUnA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorotridecanoic acid (PFTrDA)	0.18	U *	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorooctanesulfonic acid (PFOS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1

Client Sample ID: 12F_5-10
Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20
Matrix: Solid
Percent Solids: 93.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.76	U	1.76	0.44	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.76	U	1.76	0.44	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.35	U	0.35	0.088	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.35	U	0.35	0.088	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.71	U	0.71	0.18	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.35	U	0.35	0.088	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.88	U	0.88	0.22	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.41	U	4.41	1.10	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.41	U	4.41	1.10	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.044	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.35	U	0.35	0.088	ug/Kg	☼	01/27/25 08:17	01/28/25 00:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.6*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C5 PFPeA	*84.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C5 PFHxA	*78.6*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C4 PFHpA	*81.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C8 PFOA	*100*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C9 PFNA	*105*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C6 PFDA	*85.0*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C7 PFUnA	*89.8*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C2 PFTeDA	*79.3*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C3 PFBS	*92.5*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*
13C3 PFHxS	*107*		*20 - 150*	*01/27/25 08:17*	*01/28/25 00:42*	*1*

Client Sample ID: 12F_5-10

Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20

Matrix: Solid
Percent Solids: 93.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	86.7		20 - 150	01/27/25 08:17	01/28/25 00:42	1
13C8 FOSA	86.6		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d3-NMeFOSAA	91.4		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d5-NEtFOSAA	105		20 - 150	01/27/25 08:17	01/28/25 00:42	1
M2-4:2 FTS	119		20 - 150	01/27/25 08:17	01/28/25 00:42	1
M2-6:2 FTS	119		20 - 150	01/27/25 08:17	01/28/25 00:42	1
M2-8:2 FTS	111		20 - 150	01/27/25 08:17	01/28/25 00:42	1
13C3 HFPO-DA	89.3		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d7-N-MeFOSE-M	73.8		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d9-N-EtFOSE-M	81.6		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d5-NEtPFOSA	77.4		20 - 150	01/27/25 08:17	01/28/25 00:42	1
d3-NMePFOSA	72.4		20 - 150	01/27/25 08:17	01/28/25 00:42	1
13C2-PFDoDA	74.3		20 - 150	01/27/25 08:17	01/28/25 00:42	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7340		19.5	5.4	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Antimony	0.22	J	0.98	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Arsenic	5.1		0.98	0.10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Barium	30.3		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Beryllium	0.39		0.39	0.056	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Cadmium	0.19	J	0.98	0.11	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Calcium	351		97.7	39.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Chromium	14.8		2.0	0.89	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Cobalt	7.4		2.0	0.14	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Copper	21.4		2.0	0.36	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Iron	18100		58.6	19.7	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Lead	25.5		0.59	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Magnesium	1620		97.7	10	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Manganese	302		3.9	0.39	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Nickel	13.5		2.0	0.46	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Potassium	698		97.7	15.8	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Selenium	0.33	J	1.2	0.13	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Silver	0.39	U	0.39	0.087	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Sodium	45.9	J	97.7	44.6	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Thallium	0.073	J	0.39	0.040	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Vanadium	23.2		2.0	0.20	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1
Zinc	37.0		7.8	3.0	mg/Kg	☼	01/29/25 06:04	01/29/25 14:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.017	0.0079	mg/Kg	☼	01/27/25 01:29	01/27/25 06:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.1		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	93.9		1.0	1.0	%			01/27/25 16:39	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: Trip Blank

Date Collected: 01/23/25 14:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-21

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/03/25 09:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/03/25 09:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/03/25 09:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/03/25 09:40	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/03/25 09:40	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/03/25 09:40	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/03/25 09:40	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/03/25 09:40	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/03/25 09:40	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/03/25 09:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/03/25 09:40	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/03/25 09:40	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/03/25 09:40	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/03/25 09:40	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/03/25 09:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/03/25 09:40	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/03/25 09:40	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/03/25 09:40	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/03/25 09:40	1
Acetone	5.0	U	5.0	4.4	ug/L			02/03/25 09:40	1
Benzene	1.0	U	1.0	0.20	ug/L			02/03/25 09:40	1
Bromoform	1.0	U *	1.0	0.54	ug/L			02/03/25 09:40	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/03/25 09:40	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/03/25 09:40	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/03/25 09:40	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/03/25 09:40	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/03/25 09:40	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/03/25 09:40	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/03/25 09:40	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/03/25 09:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/03/25 09:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/03/25 09:40	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/03/25 09:40	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/03/25 09:40	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/03/25 09:40	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/03/25 09:40	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/03/25 09:40	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/03/25 09:40	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/03/25 09:40	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/03/25 09:40	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/03/25 09:40	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/03/25 09:40	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/03/25 09:40	1
Styrene	1.0	U	1.0	0.42	ug/L			02/03/25 09:40	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: Trip Blank
Date Collected: 01/23/25 14:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-21
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/03/25 09:40	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/03/25 09:40	1
Toluene	1.0	U	1.0	0.38	ug/L			02/03/25 09:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/03/25 09:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/03/25 09:40	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/03/25 09:40	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/03/25 09:40	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/03/25 09:40	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/03/25 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 128*		*02/03/25 09:40*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*02/03/25 09:40*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 132*		*02/03/25 09:40*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/03/25 09:40*	*1*

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319240-1	12B2_6-7	109	92	103	92
460-319240-2	12E2_4-5	110	96	103	94
460-319240-3	12F2_6-7	108	95	101	93
460-319240-5	12F2_4-5	123	101	109	94
460-319240-6	12B1_4-5	110	89	104	94
460-319240-7	12C3_8-9	109	94	102	92
460-319240-8	12D1_7-8	109	94	103	98
460-319240-9	12C1_3-4	110	94	104	93
460-319240-10	12D2_4-5	113	98	100	96
LCS 460-1018420/3	Lab Control Sample	105	97	104	97
LCS 460-1018518/3	Lab Control Sample	105	97	104	96
LCSD 460-1018420/4	Lab Control Sample Dup	106	98	104	96
LCSD 460-1018518/4	Lab Control Sample Dup	105	98	105	95
MB 460-1018420/7	Method Blank	106	95	102	97
MB 460-1018518/7	Method Blank	105	95	103	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-150)	(70-150)	(68-150)	(64-157)
460-319240-4	12E3_9-10	108	111	108	104
LCS 460-1018531/3	Lab Control Sample	100	100	101	96
LCSD 460-1018531/4	Lab Control Sample Dup	98	102	101	99
MB 460-1018531/8	Method Blank	102	101	104	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-319240-21	Trip Blank	110	109	96	98
LCS 460-1019260/4	Lab Control Sample	98	112	92	101
LCSD 460-1019260/5	Lab Control Sample Dup	98	113	92	102
MB 460-1019260/9	Method Blank	100	107	91	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-319229-H-4-G MS	Matrix Spike	77	90	82	82	85	95
460-319229-H-4-H MSD	Matrix Spike Duplicate	81	91	83	84	85	91
460-319240-11	12B_0-5	64	81	70	74	74	83
460-319240-12	12B_5-10	58	74	63	68	67	72
460-319240-13	12C_0-5	74	94	81	86	85	95
460-319240-14	12C_5-10	80	78	70	71	72	88
460-319240-15	12D_0-5	79	74	66	69	69	84
460-319240-16	12D_5-10	79	80	65	73	66	82
460-319240-17	12E_0-5	72	81	69	77	72	85
460-319240-18	12E_5-10	82	89	83	88	86	95
460-319240-20	12F_5-10	72	76	70	76	71	83
LCS 460-1018226/2-A	Lab Control Sample	79	80	76	80	75	85
LCS 460-1018240/2-A	Lab Control Sample	92	91	87	88	89	93
LCSD 460-1018226/3-A	Lab Control Sample Dup	87	89	79	88	82	94
LCSD 460-1018240/3-A	Lab Control Sample Dup	87	87	81	85	85	88
MB 460-1018226/1-A	Method Blank	73	80	72	78	76	87
MB 460-1018240/1-A	Method Blank	84	91	84	87	85	89

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-319175-E-5-G MS	Matrix Spike	77	88	67	69
460-319175-E-5-H MSD	Matrix Spike Duplicate	79	89	67	71
460-319240-11	12B_0-5	106	89	72	66
460-319240-12	12B_5-10	105	110	65	67
460-319240-13	12C_0-5	96	97	90	86
460-319240-14	12C_5-10	93	88	82	89
460-319240-15	12D_0-5	124	119	81	96
460-319240-16	12D_5-10	136	131	79	81
460-319240-17	12E_0-5	117	114	72	90
460-319240-18	12E_5-10	101	92	91	89
460-319240-20	12F_5-10	98	98	83	87
LCS 460-1018103/2-A	Lab Control Sample	58	65	66	60
LCSD 460-1018103/3-A	Lab Control Sample Dup	54	66	66	66
MB 460-1018103/1-A	Method Blank	49	56	74	75

Surrogate Legend

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-319175-E-5-D MS	Matrix Spike	82	77	73	75
460-319175-E-5-E MSD	Matrix Spike Duplicate	87	95	81	82
460-319240-11	12B_0-5	81	87	64	67
460-319240-12	12B_5-10	132	110	60	67
460-319240-13	12C_0-5	88	94	80	82
460-319240-14	12C_5-10	82	85	67	69
460-319240-15	12D_0-5	123	105	68	75
460-319240-16	12D_5-10	162 *	127	70	79
460-319240-17	12E_0-5	101	99	61	64
460-319240-18	12E_5-10	109	97	75	75
460-319240-20	12F_5-10	90	86	69	71
LCS 460-1018102/2-A	Lab Control Sample	75	74	79	79
LCSD 460-1018102/3-A	Lab Control Sample Dup	79	78	81	82
MB 460-1018102/1-A	Method Blank	82	79	81	82

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-319177-A-5-B MS	Matrix Spike	93.0	99.8	93.4	96.0	95.4	99.1	85.4	91.9
460-319177-A-5-C MSD	Matrix Spike Duplicate	88.0	92.1	83.3	84.7	91.8	90.1	77.2	80.3
460-319240-11	12B_0-5	92.5	96.1	88.2	90.0	94.6	98.7	84.7	84.0
460-319240-11	12B_0-5	93.2	98.6	101	100	89.5	91.6	89.5	85.2
460-319240-12	12B_5-10	89.1	94.5	88.8	86.8	94.2	93.8	86.2	90.1
460-319240-12	12B_5-10	89.4	84.5	88.4	85.5	88.1	88.4	83.9	81.4
460-319240-13	12C_0-5	92.4	94.4	95.8	91.5	94.6	98.0	87.0	91.3
460-319240-14	12C_5-10	92.6	92.5	85.7	86.5	98.0	97.2	87.1	94.3
460-319240-15	12D_0-5	93.4	99.7	94.6	93.4	95.3	98.0	88.2	92.1
460-319240-15	12D_0-5	89.8	84.1	83.1	83.4	90.7	88.6	84.4	83.1
460-319240-16	12D_5-10	92.2	98.8	91.2	91.4	99.4	103	88.5	94.4
460-319240-17	12E_0-5	91.2	95.3	85.6	84.7	96.8	99.0	83.4	88.2
460-319240-18	12E_5-10	91.3	85.1	82.1	82.1	97.4	99.8	88.2	93.8
460-319240-19	12F_0-5	92.7	92.4	85.8	86.4	98.7	99.1	85.6	90.3
460-319240-20	12F_5-10	93.6	84.3	78.6	81.3	100	105	85.0	89.8
460-319240-20 DU	12F_5-10	92.2	88.6	86.8	83.9	94.4	100	84.8	89.5
460-319288-B-1-B DU	Duplicate	92.4	94.6	96.8	95.7	91.2	90.8	88.4	90.3
LCS 240-642605/3-A	Lab Control Sample	88.3	88.6	83.7	81.4	87.0	93.5	80.4	89.7
LCS 240-642896/3-A	Lab Control Sample	89.8	88.3	89.5	92.3	93.6	89.3	90.7	85.5
LLCS 240-642605/2-A	Lab Control Sample	93.8	102	94.4	97.7	98.4	100	90.5	96.2
LLCS 240-642896/2-A	Lab Control Sample	91.8	98.7	93.2	99.0	91.7	91.2	85.9	83.6
MB 240-642605/1-A	Method Blank	92.7	107	98.6	96.8	95.2	101	85.8	89.6
MB 240-642896/1-A	Method Blank	91.6	93.1	91.1	89.7	91.7	94.1	84.5	85.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-319177-A-5-B MS	Matrix Spike	79.7	94.0	100	86.6	88.6	94.2	92.7	107
460-319177-A-5-C MSD	Matrix Spike Duplicate	65.6	85.1	93.4	76.2	79.4	86.2	94.0	95.8
460-319240-11	12B_0-5	78.3	88.8	102	81.6	78.9	88.1	106	106
460-319240-11	12B_0-5	79.4	88.8	88.2	91.0	86.7	75.7	83.5	96.3
460-319240-12	12B_5-10	80.1	89.0	99.8	85.3	86.6	94.5	114	114
460-319240-12	12B_5-10	66.5	83.0	88.0	84.4	84.2	74.4	81.5	91.8
460-319240-13	12C_0-5	72.4	89.3	99.3	83.6	84.9	93.8	101	116
460-319240-14	12C_5-10	79.6	97.2	100	82.3	85.1	89.4	94.6	125
460-319240-15	12D_0-5	81.2	90.0	101	86.3	87.3	94.4	98.9	109
460-319240-15	12D_0-5	65.9	88.2	84.0	88.0	80.9	73.3	87.7	98.9
460-319240-16	12D_5-10	88.2	93.2	105	86.9	92.0	99.7	89.0	119
460-319240-17	12E_0-5	72.9	94.3	106	87.3	87.0	93.4	93.5	115
460-319240-18	12E_5-10	69.2	96.7	107	83.2	87.9	92.1	105	120
460-319240-19	12F_0-5	66.6	92.0	105	82.2	81.7	94.7	96.3	111
460-319240-20	12F_5-10	79.3	92.5	107	86.7	86.6	91.4	105	119
460-319240-20 DU	12F_5-10	76.3	95.3	102	82.2	84.8	93.0	87.1	111
460-319288-B-1-B DU	Duplicate	76.7	91.4	88.1	89.0	85.5	79.4	101	103
LCS 240-642605/3-A	Lab Control Sample	82.2	83.7	91.4	74.5	105	104	127	105
LCS 240-642896/3-A	Lab Control Sample	64.8	97.5	87.8	91.2	85.5	76.4	67.7	107
LLCS 240-642605/2-A	Lab Control Sample	88.6	90.4	104	85.4	123	134	146	131
LLCS 240-642896/2-A	Lab Control Sample	58.7	90.4	87.1	87.3	84.2	75.0	67.2	99.8
MB 240-642605/1-A	Method Blank	69.1	92.2	104	83.2	114	117	121	124
MB 240-642896/1-A	Method Blank	60.0	93.8	91.7	92.6	85.8	79.8	70.0	105

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Job ID: 460-319240-1
Project/Site: Former Port Mobil

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-319177-A-5-B MS	Matrix Spike	111	108	106	82.4	88.5	77.6	72.4	76.2
460-319177-A-5-C MSD	Matrix Spike Duplicate	96.4	100	96.9	74.6	76.2	71.6	68.1	64.6
460-319240-11	12B_0-5	109	108	105	74.1	77.3	73.4	65.5	70.6
460-319240-11	12B_0-5	101	97.9	100	72.8	70.5	64.9	69.7	80.6
460-319240-12	12B_5-10	113	108	98.2	84.7	84.8	80.3	74.8	78.0
460-319240-12	12B_5-10	98.0	101	96.0	72.9	71.5	62.5	67.5	76.2
460-319240-13	12C_0-5	110	104	108	76.2	82.5	73.0	72.6	73.7
460-319240-14	12C_5-10	116	109	96.3	74.2	84.0	74.4	72.4	75.2
460-319240-15	12D_0-5	116	113	106	76.7	84.3	80.5	75.9	72.7
460-319240-15	12D_0-5	99.6	96.6	76.1	74.3	69.3	63.1	67.9	76.6
460-319240-16	12D_5-10	116	116	100	77.4	88.5	82.7	76.8	84.0
460-319240-17	12E_0-5	114	108	96.1	75.0	84.4	80.7	75.3	74.2
460-319240-18	12E_5-10	119	111	87.5	73.2	80.9	71.7	69.5	76.8
460-319240-19	12F_0-5	118	112	101	71.2	80.5	79.1	74.8	72.6
460-319240-20	12F_5-10	119	111	89.3	73.8	81.6	77.4	72.4	74.3
460-319240-20 DU	12F_5-10	123	111	100	74.9	79.6	68.7	66.6	75.1
460-319288-B-1-B DU	Duplicate	109	112	96.5	73.6	69.4	69.5	72.5	87.7
LCS 240-642605/3-A	Lab Control Sample	111	141	92.9	102	98.1	63.0	58.5	83.7
LCS 240-642896/3-A	Lab Control Sample	106	99.4	88.8	74.2	72.6	60.9	62.9	74.9
LLCS 240-642605/2-A	Lab Control Sample	128	192 *	109	104	100	64.8	63.7	88.1
LLCS 240-642896/2-A	Lab Control Sample	106	91.6	98.4	73.2	68.7	59.4	62.0	74.4
MB 240-642605/1-A	Method Blank	129	159 *	114	88.4	89.2	61.8	58.2	76.7
MB 240-642896/1-A	Method Blank	109	104	87.5	78.1	75.2	62.1	69.3	69.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1018420/7
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/28/25 20:01	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/28/25 20:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/28/25 20:01	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/28/25 20:01	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/28/25 20:01	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/28/25 20:01	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/28/25 20:01	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/28/25 20:01	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/28/25 20:01	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/28/25 20:01	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/28/25 20:01	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/28/25 20:01	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/28/25 20:01	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/28/25 20:01	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/28/25 20:01	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/28/25 20:01	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/28/25 20:01	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/28/25 20:01	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/28/25 20:01	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/28/25 20:01	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/28/25 20:01	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/28/25 20:01	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/28/25 20:01	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/28/25 20:01	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/28/25 20:01	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/28/25 20:01	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/28/25 20:01	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/28/25 20:01	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/28/25 20:01	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/28/25 20:01	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/28/25 20:01	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/28/25 20:01	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/28/25 20:01	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/28/25 20:01	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/28/25 20:01	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/28/25 20:01	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/28/25 20:01	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/28/25 20:01	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/28/25 20:01	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/28/25 20:01	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/28/25 20:01	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/28/25 20:01	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/28/25 20:01	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/28/25 20:01	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/28/25 20:01	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/28/25 20:01	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/28/25 20:01	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/28/25 20:01	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018420/7
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/28/25 20:01	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/28/25 20:01	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/28/25 20:01	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/28/25 20:01	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/28/25 20:01	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/28/25 20:01	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/28/25 20:01	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/28/25 20:01	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/28/25 20:01	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/28/25 20:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*		*01/28/25 20:01*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*		*01/28/25 20:01*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*01/28/25 20:01*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*01/28/25 20:01*	*1*

Lab Sample ID: LCS 460-1018420/3
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0183		mg/Kg		91	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	75 - 121
1,1,2-Trichloroethane	0.0200	0.0176		mg/Kg		88	80 - 120
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		102	72 - 120
1,1-Dichloroethene	0.0200	0.0180		mg/Kg		90	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0183		mg/Kg		91	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0155	*	mg/Kg		77	80 - 124
1,2-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0194		mg/Kg		97	70 - 123
1,2-Dichloropropane	0.0200	0.0200		mg/Kg		100	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	70 - 120
1,3-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
2-Butanone (MEK)	0.100	0.0873		mg/Kg		87	64 - 128
2-Hexanone	0.100	0.0875		mg/Kg		88	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0912		mg/Kg		91	80 - 120
Acetone	0.100	0.0873		mg/Kg		87	58 - 122
Benzene	0.0200	0.0181		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0159		mg/Kg		79	61 - 125
Bromomethane	0.0200	0.0168		mg/Kg		84	37 - 150
Carbon disulfide	0.0200	0.0202		mg/Kg		101	57 - 133
Carbon tetrachloride	0.0200	0.0178		mg/Kg		89	66 - 127
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018420/3
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0195		mg/Kg		98	76 - 127
Chlorodibromomethane	0.0200	0.0167		mg/Kg		84	72 - 120
Chloroethane	0.0200	0.0165		mg/Kg		82	60 - 123
Chloroform	0.0200	0.0195		mg/Kg		98	79 - 126
Chloromethane	0.0200	0.0163		mg/Kg		81	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0166		mg/Kg		83	75 - 120
Cyclohexane	0.0200	0.0202		mg/Kg		101	65 - 132
Dichlorobromomethane	0.0200	0.0183		mg/Kg		91	77 - 124
Dichlorodifluoromethane	0.0200	0.0175		mg/Kg		87	45 - 129
Ethylbenzene	0.0200	0.0178		mg/Kg		89	80 - 120
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	79 - 120
Isopropylbenzene	0.0200	0.0169		mg/Kg		84	74 - 120
Methyl acetate	0.0400	0.0424		mg/Kg		106	57 - 120
Methyl tert-butyl ether	0.0200	0.0180		mg/Kg		90	74 - 125
Methylcyclohexane	0.0200	0.0197		mg/Kg		98	66 - 125
Methylene Chloride	0.0200	0.0194		mg/Kg		97	78 - 120
m-Xylene & p-Xylene	0.0200	0.0179		mg/Kg		89	80 - 120
n-Butylbenzene	0.0200	0.0179		mg/Kg		89	72 - 120
N-Propylbenzene	0.0200	0.0181		mg/Kg		91	68 - 120
o-Xylene	0.0200	0.0175		mg/Kg		87	80 - 120
sec-Butylbenzene	0.0200	0.0182		mg/Kg		91	78 - 120
Styrene	0.0200	0.0171		mg/Kg		85	80 - 120
tert-Butylbenzene	0.0200	0.0171		mg/Kg		86	80 - 120
Tetrachloroethene	0.0200	0.0186		mg/Kg		93	73 - 120
Toluene	0.0200	0.0176		mg/Kg		88	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		98	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0150	*	mg/Kg		75	77 - 120
Trichloroethene	0.0200	0.0205		mg/Kg		102	80 - 120
Trichlorofluoromethane	0.0200	0.0156		mg/Kg		78	61 - 130
Vinyl chloride	0.0200	0.0170		mg/Kg		85	54 - 122
Xylenes, Total	0.0400	0.0353		mg/Kg		88	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*104*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: LCSD 460-1018420/4
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0179		mg/Kg		90	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0186		mg/Kg		93	70 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0181		mg/Kg		90	75 - 121	4	30
1,1,2-Trichloroethane	0.0200	0.0179		mg/Kg		89	80 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018420/4
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0202		mg/Kg		101	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0174		mg/Kg		87	76 - 120	3	30
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	77 - 137	5	30
1,2,4-Trichlorobenzene	0.0200	0.0185		mg/Kg		92	77 - 136	1	30
1,2,4-Trimethylbenzene	0.0200	0.0177		mg/Kg		88	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0168		mg/Kg		84	80 - 124	8	30
1,2-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0195		mg/Kg		97	70 - 123	1	30
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124	1	30
1,3,5-Trimethylbenzene	0.0200	0.0170		mg/Kg		85	70 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120	0	30
1,4-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120	1	30
2-Butanone (MEK)	0.100	0.0859		mg/Kg		86	64 - 128	2	30
2-Hexanone	0.100	0.0915		mg/Kg		91	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0918		mg/Kg		92	80 - 120	1	30
Acetone	0.100	0.0870		mg/Kg		87	58 - 122	0	30
Benzene	0.0200	0.0180		mg/Kg		90	75 - 120	1	30
Bromoform	0.0200	0.0160		mg/Kg		80	61 - 125	1	30
Bromomethane	0.0200	0.0157		mg/Kg		78	37 - 150	7	30
Carbon disulfide	0.0200	0.0200		mg/Kg		100	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0179		mg/Kg		89	66 - 127	0	30
Chlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120	2	30
Chlorobromomethane	0.0200	0.0196		mg/Kg		98	76 - 127	0	30
Chlorodibromomethane	0.0200	0.0169		mg/Kg		84	72 - 120	1	30
Chloroethane	0.0200	0.0149		mg/Kg		75	60 - 123	10	30
Chloroform	0.0200	0.0194		mg/Kg		97	79 - 126	0	30
Chloromethane	0.0200	0.0156		mg/Kg		78	46 - 122	4	30
cis-1,2-Dichloroethene	0.0200	0.0198		mg/Kg		99	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0168		mg/Kg		84	75 - 120	1	30
Cyclohexane	0.0200	0.0207		mg/Kg		103	65 - 132	2	30
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	77 - 124	2	30
Dichlorodifluoromethane	0.0200	0.0164		mg/Kg		82	45 - 129	6	30
Ethylbenzene	0.0200	0.0181		mg/Kg		90	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0187		mg/Kg		94	79 - 120	2	30
Isopropylbenzene	0.0200	0.0168		mg/Kg		84	74 - 120	0	30
Methyl acetate	0.0400	0.0440		mg/Kg		110	57 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0181		mg/Kg		91	74 - 125	1	30
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	66 - 125	2	30
Methylene Chloride	0.0200	0.0191		mg/Kg		95	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0176		mg/Kg		88	80 - 120	1	30
n-Butylbenzene	0.0200	0.0180		mg/Kg		90	72 - 120	1	30
N-Propylbenzene	0.0200	0.0183		mg/Kg		92	68 - 120	1	30
o-Xylene	0.0200	0.0174		mg/Kg		87	80 - 120	0	30
sec-Butylbenzene	0.0200	0.0184		mg/Kg		92	78 - 120	1	30
Styrene	0.0200	0.0170		mg/Kg		85	80 - 120	1	30
tert-Butylbenzene	0.0200	0.0175		mg/Kg		87	80 - 120	2	30
Tetrachloroethene	0.0200	0.0189		mg/Kg		95	73 - 120	2	30
Toluene	0.0200	0.0177		mg/Kg		88	80 - 120	0	30
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	78 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018420/4
Matrix: Solid
Analysis Batch: 1018420

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0149	*	mg/Kg		75	77 - 120	1	30
Trichloroethene			0.0200	0.0199		mg/Kg		99	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0147		mg/Kg		74	61 - 130	6	30
Vinyl chloride			0.0200	0.0157		mg/Kg		78	54 - 122	8	30
Xylenes, Total			0.0400	0.0350		mg/Kg		88	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*104*		*50 - 150*
Toluene-d8 (Surr)	*96*		*71 - 126*

Lab Sample ID: MB 460-1018518/7
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 09:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/29/25 09:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/29/25 09:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 09:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/29/25 09:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 09:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 09:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 09:10	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/29/25 09:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/29/25 09:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 09:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/29/25 09:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/29/25 09:10	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/29/25 09:10	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/29/25 09:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 09:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/29/25 09:10	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/29/25 09:10	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/29/25 09:10	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/29/25 09:10	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/29/25 09:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/29/25 09:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/29/25 09:10	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 09:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/29/25 09:10	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 09:10	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 09:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/29/25 09:10	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/29/25 09:10	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/29/25 09:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/29/25 09:10	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018518/7
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 09:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 09:10	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/29/25 09:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/29/25 09:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/29/25 09:10	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/29/25 09:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 09:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 09:10	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/29/25 09:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/29/25 09:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/29/25 09:10	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/29/25 09:10	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/29/25 09:10	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 09:10	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 09:10	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/29/25 09:10	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 09:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 09:10	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 09:10	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/29/25 09:10	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 09:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/29/25 09:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 09:10	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/29/25 09:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/29/25 09:10	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/29/25 09:10	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/29/25 09:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*		*01/29/25 09:10*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*		*01/29/25 09:10*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*		*01/29/25 09:10*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*01/29/25 09:10*	*1*

Lab Sample ID: LCS 460-1018518/3
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0168		mg/Kg		84	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0182		mg/Kg		91	75 - 121
1,1,2-Trichloroethane	0.0200	0.0170		mg/Kg		85	80 - 120
1,1-Dichloroethane	0.0200	0.0197		mg/Kg		98	72 - 120
1,1-Dichloroethene	0.0200	0.0176		mg/Kg		88	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0179		mg/Kg		89	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0168		mg/Kg		84	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0158		mg/Kg		79	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018518/3
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0153	*	mg/Kg		77	80 - 124
1,2-Dichlorobenzene	0.0200	0.0166		mg/Kg		83	80 - 120
1,2-Dichloroethane	0.0200	0.0191		mg/Kg		96	70 - 123
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0157		mg/Kg		78	70 - 120
1,3-Dichlorobenzene	0.0200	0.0166		mg/Kg		83	80 - 120
1,4-Dichlorobenzene	0.0200	0.0162		mg/Kg		81	80 - 120
2-Butanone (MEK)	0.100	0.0892		mg/Kg		89	64 - 128
2-Hexanone	0.100	0.0924		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0953		mg/Kg		95	80 - 120
Acetone	0.100	0.0932		mg/Kg		93	58 - 122
Benzene	0.0200	0.0169		mg/Kg		85	75 - 120
Bromoform	0.0200	0.0160		mg/Kg		80	61 - 125
Bromomethane	0.0200	0.0166		mg/Kg		83	37 - 150
Carbon disulfide	0.0200	0.0189		mg/Kg		95	57 - 133
Carbon tetrachloride	0.0200	0.0167		mg/Kg		83	66 - 127
Chlorobenzene	0.0200	0.0172		mg/Kg		86	80 - 120
Chlorobromomethane	0.0200	0.0189		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0166		mg/Kg		83	72 - 120
Chloroethane	0.0200	0.0158		mg/Kg		79	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0162		mg/Kg		81	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0195		mg/Kg		98	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0157		mg/Kg		79	75 - 120
Cyclohexane	0.0200	0.0189		mg/Kg		95	65 - 132
Dichlorobromomethane	0.0200	0.0176		mg/Kg		88	77 - 124
Dichlorodifluoromethane	0.0200	0.0171		mg/Kg		85	45 - 129
Ethylbenzene	0.0200	0.0169		mg/Kg		84	80 - 120
Ethylene Dibromide	0.0200	0.0179		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0156		mg/Kg		78	74 - 120
Methyl acetate	0.0400	0.0447		mg/Kg		112	57 - 120
Methyl tert-butyl ether	0.0200	0.0184		mg/Kg		92	74 - 125
Methylcyclohexane	0.0200	0.0184		mg/Kg		92	66 - 125
Methylene Chloride	0.0200	0.0190		mg/Kg		95	78 - 120
m-Xylene & p-Xylene	0.0200	0.0164		mg/Kg		82	80 - 120
n-Butylbenzene	0.0200	0.0150		mg/Kg		75	72 - 120
N-Propylbenzene	0.0200	0.0164		mg/Kg		82	68 - 120
o-Xylene	0.0200	0.0165		mg/Kg		83	80 - 120
sec-Butylbenzene	0.0200	0.0161		mg/Kg		81	78 - 120
Styrene	0.0200	0.0158	*	mg/Kg		79	80 - 120
tert-Butylbenzene	0.0200	0.0158	*	mg/Kg		79	80 - 120
Tetrachloroethene	0.0200	0.0175		mg/Kg		87	73 - 120
Toluene	0.0200	0.0168		mg/Kg		84	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0185		mg/Kg		92	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0144	*	mg/Kg		72	77 - 120
Trichloroethene	0.0200	0.0188		mg/Kg		94	80 - 120
Trichlorofluoromethane	0.0200	0.0153		mg/Kg		77	61 - 130
Vinyl chloride	0.0200	0.0166		mg/Kg		83	54 - 122
Xylenes, Total	0.0400	0.0329		mg/Kg		82	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		65 - 138
4-Bromofluorobenzene	97		71 - 128
Dibromofluoromethane (Surr)	104		50 - 150
Toluene-d8 (Surr)	96		71 - 126

Lab Sample ID: LCSD 460-1018518/4
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0179		mg/Kg		90	78 - 120	6	30
1,1,2,2-Tetrachloroethane			0.0200	0.0184		mg/Kg		92	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0188		mg/Kg		94	75 - 121	3	30
1,1,2-Trichloroethane			0.0200	0.0177		mg/Kg		89	80 - 120	5	30
1,1-Dichloroethane			0.0200	0.0204		mg/Kg		102	72 - 120	4	30
1,1-Dichloroethene			0.0200	0.0184		mg/Kg		92	76 - 120	4	30
1,2,3-Trichlorobenzene			0.0200	0.0186		mg/Kg		93	77 - 137	4	30
1,2,4-Trichlorobenzene			0.0200	0.0174		mg/Kg		87	77 - 136	4	30
1,2,4-Trimethylbenzene			0.0200	0.0165		mg/Kg		83	75 - 120	5	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0171		mg/Kg		85	80 - 124	11	30
1,2-Dichlorobenzene			0.0200	0.0175		mg/Kg		87	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0199		mg/Kg		100	70 - 123	4	30
1,2-Dichloropropane			0.0200	0.0202		mg/Kg		101	73 - 124	5	30
1,3,5-Trimethylbenzene			0.0200	0.0162		mg/Kg		81	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0176		mg/Kg		88	80 - 120	6	30
1,4-Dichlorobenzene			0.0200	0.0170		mg/Kg		85	80 - 120	5	30
2-Butanone (MEK)			0.100	0.0916		mg/Kg		92	64 - 128	3	30
2-Hexanone			0.100	0.0949		mg/Kg		95	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0971		mg/Kg		97	80 - 120	2	30
Acetone			0.100	0.0965		mg/Kg		97	58 - 122	4	30
Benzene			0.0200	0.0175		mg/Kg		87	75 - 120	3	30
Bromoform			0.0200	0.0165		mg/Kg		82	61 - 125	3	30
Bromomethane			0.0200	0.0174		mg/Kg		87	37 - 150	4	30
Carbon disulfide			0.0200	0.0203		mg/Kg		102	57 - 133	7	30
Carbon tetrachloride			0.0200	0.0174		mg/Kg		87	66 - 127	4	30
Chlorobenzene			0.0200	0.0176		mg/Kg		88	80 - 120	2	30
Chlorobromomethane			0.0200	0.0198		mg/Kg		99	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0172		mg/Kg		86	72 - 120	3	30
Chloroethane			0.0200	0.0167		mg/Kg		84	60 - 123	6	30
Chloroform			0.0200	0.0195		mg/Kg		97	79 - 126	4	30
Chloromethane			0.0200	0.0171		mg/Kg		86	46 - 122	6	30
cis-1,2-Dichloroethene			0.0200	0.0202		mg/Kg		101	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0161		mg/Kg		81	75 - 120	2	30
Cyclohexane			0.0200	0.0189		mg/Kg		94	65 - 132	0	30
Dichlorobromomethane			0.0200	0.0184		mg/Kg		92	77 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0177		mg/Kg		89	45 - 129	4	30
Ethylbenzene			0.0200	0.0173		mg/Kg		87	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0183		mg/Kg		92	79 - 120	2	30
Isopropylbenzene			0.0200	0.0157		mg/Kg		79	74 - 120	1	30
Methyl acetate			0.0400	0.0467		mg/Kg		117	57 - 120	4	30
Methyl tert-butyl ether			0.0200	0.0190		mg/Kg		95	74 - 125	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018518/4
Matrix: Solid
Analysis Batch: 1018518

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0187		mg/Kg		94	66 - 125	2	30
Methylene Chloride			0.0200	0.0201		mg/Kg		100	78 - 120	6	30
m-Xylene & p-Xylene			0.0200	0.0169		mg/Kg		84	80 - 120	3	30
n-Butylbenzene			0.0200	0.0151		mg/Kg		76	72 - 120	1	30
N-Propylbenzene			0.0200	0.0167		mg/Kg		83	68 - 120	1	30
o-Xylene			0.0200	0.0172		mg/Kg		86	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0164		mg/Kg		82	78 - 120	2	30
Styrene			0.0200	0.0166		mg/Kg		83	80 - 120	5	30
tert-Butylbenzene			0.0200	0.0158	*	mg/Kg		79	80 - 120	0	30
Tetrachloroethene			0.0200	0.0179		mg/Kg		90	73 - 120	3	30
Toluene			0.0200	0.0170		mg/Kg		85	80 - 120	1	30
trans-1,2-Dichloroethene			0.0200	0.0198		mg/Kg		99	78 - 120	7	30
trans-1,3-Dichloropropene			0.0200	0.0148	*	mg/Kg		74	77 - 120	3	30
Trichloroethene			0.0200	0.0197		mg/Kg		99	80 - 120	5	30
Trichlorofluoromethane			0.0200	0.0156		mg/Kg		78	61 - 130	2	30
Vinyl chloride			0.0200	0.0171		mg/Kg		86	54 - 122	3	30
Xylenes, Total			0.0400	0.0341		mg/Kg		85	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: MB 460-1018531/8
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			01/29/25 11:34	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			01/29/25 11:34	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			01/29/25 11:34	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			01/29/25 11:34	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			01/29/25 11:34	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			01/29/25 11:34	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			01/29/25 11:34	50
1,2,4-Trimethylbenzene	0.050	U	0.050	0.012	mg/Kg			01/29/25 11:34	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			01/29/25 11:34	50
1,3,5-Trimethylbenzene	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/29/25 11:34	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			01/29/25 11:34	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			01/29/25 11:34	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			01/29/25 11:34	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			01/29/25 11:34	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018531/8
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.25	U	0.25	0.22	mg/Kg			01/29/25 11:34	50
Benzene	0.050	U	0.050	0.010	mg/Kg			01/29/25 11:34	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			01/29/25 11:34	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			01/29/25 11:34	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			01/29/25 11:34	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			01/29/25 11:34	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			01/29/25 11:34	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			01/29/25 11:34	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			01/29/25 11:34	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			01/29/25 11:34	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			01/29/25 11:34	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			01/29/25 11:34	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			01/29/25 11:34	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			01/29/25 11:34	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			01/29/25 11:34	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			01/29/25 11:34	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			01/29/25 11:34	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			01/29/25 11:34	50
n-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/29/25 11:34	50
N-Propylbenzene	0.050	U	0.050	0.015	mg/Kg			01/29/25 11:34	50
o-Xylene	0.050	U	0.050	0.016	mg/Kg			01/29/25 11:34	50
sec-Butylbenzene	0.050	U	0.050	0.016	mg/Kg			01/29/25 11:34	50
Styrene	0.050	U	0.050	0.0085	mg/Kg			01/29/25 11:34	50
tert-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			01/29/25 11:34	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			01/29/25 11:34	50
Toluene	0.050	U	0.050	0.013	mg/Kg			01/29/25 11:34	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			01/29/25 11:34	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			01/29/25 11:34	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			01/29/25 11:34	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			01/29/25 11:34	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			01/29/25 11:34	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 150*		*01/29/25 11:34*	*50*
4-Bromofluorobenzene	*101*		*70 - 150*		*01/29/25 11:34*	*50*
Dibromofluoromethane (Surr)	*104*		*68 - 150*		*01/29/25 11:34*	*50*
Toluene-d8 (Surr)	*95*		*64 - 157*		*01/29/25 11:34*	*50*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018531/3
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.00	1.07		mg/Kg		107	76 - 120
1,1,2,2-Tetrachloroethane	1.00	0.955		mg/Kg		95	72 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.30	*	mg/Kg		130	79 - 120
1,1,2-Trichloroethane	1.00	1.00		mg/Kg		100	80 - 120
1,1-Dichloroethane	1.00	1.09		mg/Kg		109	70 - 120
1,1-Dichloroethene	1.00	1.17		mg/Kg		117	69 - 120
1,2,3-Trichlorobenzene	1.00	1.00		mg/Kg		100	80 - 137
1,2,4-Trichlorobenzene	1.00	0.940		mg/Kg		94	80 - 134
1,2,4-Trimethylbenzene	1.00	0.867		mg/Kg		87	75 - 120
1,2-Dibromo-3-Chloropropane	1.00	0.990		mg/Kg		99	68 - 134
1,2-Dichlorobenzene	1.00	0.955		mg/Kg		95	80 - 120
1,2-Dichloroethane	1.00	1.06		mg/Kg		106	72 - 124
1,2-Dichloropropane	1.00	1.05		mg/Kg		105	74 - 120
1,3,5-Trimethylbenzene	1.00	0.909		mg/Kg		91	71 - 120
1,3-Dichlorobenzene	1.00	0.957		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	1.00	0.977		mg/Kg		98	80 - 120
2-Butanone (MEK)	5.00	4.61		mg/Kg		92	64 - 121
2-Hexanone	5.00	4.57		mg/Kg		91	70 - 120
4-Methyl-2-pentanone (MIBK)	5.00	4.58		mg/Kg		92	64 - 127
Acetone	5.00	3.59		mg/Kg		72	52 - 127
Benzene	1.00	1.04		mg/Kg		104	75 - 120
Bromoform	1.00	0.958		mg/Kg		96	68 - 122
Bromomethane	1.00	1.27	*	mg/Kg		127	16 - 125
Carbon disulfide	1.00	1.34	*	mg/Kg		134	59 - 127
Carbon tetrachloride	1.00	1.08		mg/Kg		108	77 - 120
Chlorobenzene	1.00	1.03		mg/Kg		103	80 - 120
Chlorobromomethane	1.00	1.08		mg/Kg		108	77 - 120
Chlorodibromomethane	1.00	0.939		mg/Kg		94	80 - 120
Chloroethane	1.00	1.10		mg/Kg		110	61 - 140
Chloroform	1.00	1.08		mg/Kg		108	73 - 120
Chloromethane	1.00	1.08		mg/Kg		108	42 - 136
cis-1,2-Dichloroethene	1.00	1.07		mg/Kg		107	73 - 120
cis-1,3-Dichloropropene	1.00	1.01		mg/Kg		101	79 - 120
Cyclohexane	1.00	1.31	*	mg/Kg		131	76 - 125
Dichlorobromomethane	1.00	1.05		mg/Kg		105	77 - 120
Dichlorodifluoromethane	1.00	1.32		mg/Kg		132	39 - 140
Ethylbenzene	1.00	1.01		mg/Kg		101	80 - 121
Ethylene Dibromide	1.00	0.989		mg/Kg		99	80 - 120
Isopropylbenzene	1.00	0.994		mg/Kg		99	74 - 125
Methyl acetate	2.00	1.97		mg/Kg		99	40 - 130
Methyl tert-butyl ether	1.00	1.06		mg/Kg		106	77 - 125
Methylcyclohexane	1.00	1.20		mg/Kg		120	75 - 127
Methylene Chloride	1.00	1.05		mg/Kg		105	73 - 120
m-Xylene & p-Xylene	1.00	1.03		mg/Kg		103	79 - 120
n-Butylbenzene	1.00	0.848		mg/Kg		85	68 - 120
N-Propylbenzene	1.00	0.949		mg/Kg		95	68 - 120
o-Xylene	1.00	0.993		mg/Kg		99	80 - 123
sec-Butylbenzene	1.00	0.884		mg/Kg		88	77 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018531/3
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	1.00	0.992		mg/Kg		99	80 - 124
tert-Butylbenzene	1.00	0.912		mg/Kg		91	80 - 120
Tetrachloroethene	1.00	1.05		mg/Kg		105	78 - 120
Toluene	1.00	1.01		mg/Kg		101	80 - 120
trans-1,2-Dichloroethene	1.00	1.14		mg/Kg		114	70 - 120
trans-1,3-Dichloropropene	1.00	0.958		mg/Kg		96	73 - 120
Trichloroethene	1.00	1.08		mg/Kg		108	77 - 120
Trichlorofluoromethane	1.00	1.12		mg/Kg		112	61 - 143
Vinyl chloride	1.00	1.04		mg/Kg		104	50 - 131
Xylenes, Total	2.00	2.02		mg/Kg		101	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 150*
4-Bromofluorobenzene	*100*		*70 - 150*
Dibromofluoromethane (Surr)	*101*		*68 - 150*
Toluene-d8 (Surr)	*96*		*64 - 157*

Lab Sample ID: LCSD 460-1018531/4
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.00	1.09		mg/Kg		109	76 - 120	1	30
1,1,2,2-Tetrachloroethane	1.00	0.955		mg/Kg		96	72 - 120	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.30	*	mg/Kg		130	79 - 120	1	30
1,1,2-Trichloroethane	1.00	0.997		mg/Kg		100	80 - 120	1	30
1,1-Dichloroethane	1.00	1.06		mg/Kg		106	70 - 120	3	30
1,1-Dichloroethene	1.00	1.17		mg/Kg		117	69 - 120	0	30
1,2,3-Trichlorobenzene	1.00	0.996		mg/Kg		100	80 - 137	1	30
1,2,4-Trichlorobenzene	1.00	0.943		mg/Kg		94	80 - 134	0	30
1,2,4-Trimethylbenzene	1.00	0.878		mg/Kg		88	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	1.00	0.942		mg/Kg		94	68 - 134	5	30
1,2-Dichlorobenzene	1.00	0.928		mg/Kg		93	80 - 120	3	30
1,2-Dichloroethane	1.00	1.04		mg/Kg		104	72 - 124	3	30
1,2-Dichloropropane	1.00	0.989		mg/Kg		99	74 - 120	6	30
1,3,5-Trimethylbenzene	1.00	0.899		mg/Kg		90	71 - 120	1	30
1,3-Dichlorobenzene	1.00	0.982		mg/Kg		98	80 - 120	3	30
1,4-Dichlorobenzene	1.00	0.962		mg/Kg		96	80 - 120	2	30
2-Butanone (MEK)	5.00	4.44		mg/Kg		89	64 - 121	4	30
2-Hexanone	5.00	4.62		mg/Kg		92	70 - 120	1	30
4-Methyl-2-pentanone (MIBK)	5.00	4.64		mg/Kg		93	64 - 127	1	30
Acetone	5.00	3.20		mg/Kg		64	52 - 127	11	30
Benzene	1.00	1.04		mg/Kg		104	75 - 120	0	30
Bromoform	1.00	1.02		mg/Kg		102	68 - 122	6	30
Bromomethane	1.00	1.22		mg/Kg		122	16 - 125	4	30
Carbon disulfide	1.00	1.32	*	mg/Kg		132	59 - 127	1	30
Carbon tetrachloride	1.00	1.06		mg/Kg		106	77 - 120	2	30
Chlorobenzene	1.00	1.01		mg/Kg		101	80 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018531/4
Matrix: Solid
Analysis Batch: 1018531

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane			1.00	0.994		mg/Kg		99	77 - 120	8	30
Chlorodibromomethane			1.00	1.00		mg/Kg		100	80 - 120	7	30
Chloroethane			1.00	1.09		mg/Kg		109	61 - 140	1	30
Chloroform			1.00	1.06		mg/Kg		106	73 - 120	1	30
Chloromethane			1.00	1.08		mg/Kg		108	42 - 136	0	30
cis-1,2-Dichloroethene			1.00	1.01		mg/Kg		101	73 - 120	5	30
cis-1,3-Dichloropropene			1.00	1.03		mg/Kg		103	79 - 120	1	30
Cyclohexane			1.00	1.29	*	mg/Kg		129	76 - 125	2	30
Dichlorobromomethane			1.00	1.03		mg/Kg		103	77 - 120	2	30
Dichlorodifluoromethane			1.00	1.32		mg/Kg		132	39 - 140	0	30
Ethylbenzene			1.00	1.00		mg/Kg		100	80 - 121	0	30
Ethylene Dibromide			1.00	1.02		mg/Kg		102	80 - 120	3	30
Isopropylbenzene			1.00	1.02		mg/Kg		102	74 - 125	3	30
Methyl acetate			2.00	2.02		mg/Kg		101	40 - 130	3	30
Methyl tert-butyl ether			1.00	1.01		mg/Kg		101	77 - 125	5	30
Methylcyclohexane			1.00	1.18		mg/Kg		118	75 - 127	2	30
Methylene Chloride			1.00	1.03		mg/Kg		103	73 - 120	3	30
m-Xylene & p-Xylene			1.00	1.03		mg/Kg		103	79 - 120	0	30
n-Butylbenzene			1.00	0.799		mg/Kg		80	68 - 120	6	30
N-Propylbenzene			1.00	0.964		mg/Kg		96	68 - 120	2	30
o-Xylene			1.00	1.01		mg/Kg		101	80 - 123	1	30
sec-Butylbenzene			1.00	0.898		mg/Kg		90	77 - 126	2	30
Styrene			1.00	0.989		mg/Kg		99	80 - 124	0	30
tert-Butylbenzene			1.00	0.911		mg/Kg		91	80 - 120	0	30
Tetrachloroethene			1.00	1.01		mg/Kg		101	78 - 120	3	30
Toluene			1.00	1.01		mg/Kg		101	80 - 120	0	30
trans-1,2-Dichloroethene			1.00	1.15		mg/Kg		115	70 - 120	1	30
trans-1,3-Dichloropropene			1.00	0.974		mg/Kg		97	73 - 120	2	30
Trichloroethene			1.00	1.04		mg/Kg		104	77 - 120	3	30
Trichlorofluoromethane			1.00	1.11		mg/Kg		111	61 - 143	2	30
Vinyl chloride			1.00	1.00		mg/Kg		100	50 - 131	3	30
Xylenes, Total			2.00	2.03		mg/Kg		102	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 150*
4-Bromofluorobenzene	*102*		*70 - 150*
Dibromofluoromethane (Surr)	*101*		*68 - 150*
Toluene-d8 (Surr)	*99*		*64 - 157*

Lab Sample ID: MB 460-1019260/9
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/03/25 08:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/03/25 08:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/03/25 08:55	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/03/25 08:55	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1019260/9
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/03/25 08:55	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/03/25 08:55	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/03/25 08:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/03/25 08:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			02/03/25 08:55	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/03/25 08:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/03/25 08:55	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/03/25 08:55	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/03/25 08:55	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			02/03/25 08:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/03/25 08:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/03/25 08:55	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/03/25 08:55	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/03/25 08:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/03/25 08:55	1
Acetone	5.0	U	5.0	4.4	ug/L			02/03/25 08:55	1
Benzene	1.0	U	1.0	0.20	ug/L			02/03/25 08:55	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/03/25 08:55	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/03/25 08:55	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/03/25 08:55	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/03/25 08:55	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/03/25 08:55	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/03/25 08:55	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/03/25 08:55	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/03/25 08:55	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/03/25 08:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/03/25 08:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/03/25 08:55	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/03/25 08:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/03/25 08:55	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/03/25 08:55	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/03/25 08:55	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/03/25 08:55	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/03/25 08:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/03/25 08:55	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/03/25 08:55	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/03/25 08:55	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/03/25 08:55	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			02/03/25 08:55	1
Styrene	1.0	U	1.0	0.42	ug/L			02/03/25 08:55	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			02/03/25 08:55	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/03/25 08:55	1
Toluene	1.0	U	1.0	0.38	ug/L			02/03/25 08:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/03/25 08:55	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1019260/9
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/03/25 08:55	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/03/25 08:55	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/03/25 08:55	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/03/25 08:55	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			02/03/25 08:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*02/03/25 08:55*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*02/03/25 08:55*	*1*
Dibromofluoromethane (Surr)	*91*		*77 - 132*		*02/03/25 08:55*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/03/25 08:55*	*1*

Lab Sample ID: LCS 460-1019260/4
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	17.3		ug/L		87	72 - 128
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	15.8		ug/L		79	65 - 142
1,1,2-Trichloroethane	20.0	20.5		ug/L		103	74 - 125
1,1-Dichloroethane	20.0	19.7		ug/L		99	73 - 130
1,1-Dichloroethene	20.0	17.2		ug/L		86	68 - 133
1,2,3-Trichlorobenzene	20.0	25.1		ug/L		125	55 - 150
1,2,4-Trichlorobenzene	20.0	23.8		ug/L		119	67 - 132
1,2,4-Trimethylbenzene	20.0	18.9		ug/L		95	75 - 125
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	58 - 132
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	19.4		ug/L		97	66 - 129
1,2-Dichloropropane	20.0	21.2		ug/L		106	72 - 128
1,3,5-Trimethylbenzene	20.0	17.8		ug/L		89	75 - 125
1,3-Dichlorobenzene	20.0	19.7		ug/L		99	80 - 120
1,4-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120
2-Butanone (MEK)	100	82.8		ug/L		83	65 - 142
2-Hexanone	100	124		ug/L		124	72 - 134
4-Methyl-2-pentanone (MIBK)	100	119		ug/L		119	77 - 130
Acetone	100	101		ug/L		101	60 - 133
Benzene	20.0	20.4		ug/L		102	71 - 126
Bromoform	20.0	24.2		ug/L		121	58 - 128
Bromomethane	20.0	13.6		ug/L		68	33 - 150
Carbon disulfide	20.0	18.4		ug/L		92	35 - 150
Carbon tetrachloride	20.0	17.4		ug/L		87	65 - 131
Chlorobenzene	20.0	19.2		ug/L		96	80 - 120
Chlorobromomethane	20.0	18.4		ug/L		92	71 - 134
Chlorodibromomethane	20.0	20.1		ug/L		101	73 - 121
Chloroethane	20.0	18.1		ug/L		91	54 - 150
Chloroform	20.0	18.1		ug/L		90	78 - 125
Chloromethane	20.0	21.7		ug/L		108	43 - 149

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1019260/4
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	20.0	17.7		ug/L		88	78 - 121
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	74 - 125
Cyclohexane	20.0	16.5		ug/L		82	64 - 142
Dichlorobromomethane	20.0	18.1		ug/L		90	76 - 121
Dichlorodifluoromethane	20.0	15.7		ug/L		79	38 - 144
Ethylbenzene	20.0	19.3		ug/L		97	78 - 120
Ethylene Dibromide	20.0	19.6		ug/L		98	79 - 126
Isopropylbenzene	20.0	19.5		ug/L		98	79 - 125
Methyl acetate	40.0	53.7		ug/L		134	50 - 147
Methyl tert-butyl ether	20.0	19.2		ug/L		96	72 - 131
Methylcyclohexane	20.0	17.0		ug/L		85	63 - 138
Methylene Chloride	20.0	17.3		ug/L		86	74 - 127
m-Xylene & p-Xylene	20.0	19.3		ug/L		96	78 - 120
n-Butylbenzene	20.0	18.6		ug/L		93	69 - 135
N-Propylbenzene	20.0	19.3		ug/L		96	68 - 129
o-Xylene	20.0	19.7		ug/L		98	78 - 120
sec-Butylbenzene	20.0	18.6		ug/L		93	77 - 129
Styrene	20.0	18.8		ug/L		94	82 - 127
tert-Butylbenzene	20.0	18.6		ug/L		93	78 - 120
Tetrachloroethene	20.0	20.2		ug/L		101	70 - 127
Toluene	20.0	18.5		ug/L		92	78 - 120
trans-1,2-Dichloroethene	20.0	17.5		ug/L		87	70 - 126
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	71 - 127
Trichloroethene	20.0	17.1		ug/L		85	73 - 121
Trichlorofluoromethane	20.0	17.4		ug/L		87	62 - 134
Vinyl chloride	20.0	17.9		ug/L		89	55 - 144
Xylenes, Total	40.0	39.0		ug/L		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*112*		*76 - 120*
Dibromofluoromethane (Surr)	*92*		*77 - 132*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-1019260/5
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	18.2		ug/L		91	72 - 128	5	30
1,1,2,2-Tetrachloroethane	20.0	20.3		ug/L		102	63 - 139	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.6		ug/L		83	65 - 142	5	30
1,1,2-Trichloroethane	20.0	21.0		ug/L		105	74 - 125	3	30
1,1-Dichloroethane	20.0	20.7		ug/L		103	73 - 130	5	30
1,1-Dichloroethene	20.0	17.8		ug/L		89	68 - 133	3	30
1,2,3-Trichlorobenzene	20.0	26.0		ug/L		130	55 - 150	3	30
1,2,4-Trichlorobenzene	20.0	24.1		ug/L		121	67 - 132	1	30
1,2,4-Trimethylbenzene	20.0	19.5		ug/L		98	75 - 125	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1019260/5
Matrix: Water
Analysis Batch: 1019260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	20.0	20.4		ug/L		102	58 - 132	0	30
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	80 - 120	4	30
1,2-Dichloroethane	20.0	20.0		ug/L		100	66 - 129	3	30
1,2-Dichloropropane	20.0	21.6		ug/L		108	72 - 128	2	30
1,3,5-Trimethylbenzene	20.0	18.3		ug/L		91	75 - 125	3	30
1,3-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 120	3	30
1,4-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120	9	30
2-Butanone (MEK)	100	84.6		ug/L		85	65 - 142	2	30
2-Hexanone	100	132		ug/L		132	72 - 134	6	30
4-Methyl-2-pentanone (MIBK)	100	124		ug/L		124	77 - 130	4	30
Acetone	100	108		ug/L		108	60 - 133	7	30
Benzene	20.0	21.5		ug/L		108	71 - 126	5	30
Bromoform	20.0	26.1	*	ug/L		130	58 - 128	8	30
Bromomethane	20.0	13.7		ug/L		68	33 - 150	1	30
Carbon disulfide	20.0	19.0		ug/L		95	35 - 150	3	30
Carbon tetrachloride	20.0	18.3		ug/L		91	65 - 131	5	30
Chlorobenzene	20.0	20.2		ug/L		101	80 - 120	5	30
Chlorobromomethane	20.0	18.5		ug/L		93	71 - 134	1	30
Chlorodibromomethane	20.0	20.9		ug/L		105	73 - 121	4	30
Chloroethane	20.0	19.7		ug/L		98	54 - 150	8	30
Chloroform	20.0	18.8		ug/L		94	78 - 125	4	30
Chloromethane	20.0	22.4		ug/L		112	43 - 149	3	30
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	78 - 121	4	30
cis-1,3-Dichloropropene	20.0	21.1		ug/L		105	74 - 125	2	30
Cyclohexane	20.0	17.0		ug/L		85	64 - 142	3	30
Dichlorobromomethane	20.0	18.9		ug/L		95	76 - 121	5	30
Dichlorodifluoromethane	20.0	16.3		ug/L		81	38 - 144	4	30
Ethylbenzene	20.0	19.7		ug/L		99	78 - 120	2	30
Ethylene Dibromide	20.0	21.2		ug/L		106	79 - 126	8	30
Isopropylbenzene	20.0	20.0		ug/L		100	79 - 125	3	30
Methyl acetate	40.0	56.4		ug/L		141	50 - 147	5	30
Methyl tert-butyl ether	20.0	20.4		ug/L		102	72 - 131	6	30
Methylcyclohexane	20.0	17.3		ug/L		87	63 - 138	2	30
Methylene Chloride	20.0	18.5		ug/L		93	74 - 127	7	30
m-Xylene & p-Xylene	20.0	19.5		ug/L		97	78 - 120	1	30
n-Butylbenzene	20.0	20.0		ug/L		100	69 - 135	7	30
N-Propylbenzene	20.0	19.6		ug/L		98	68 - 129	2	30
o-Xylene	20.0	20.1		ug/L		100	78 - 120	2	30
sec-Butylbenzene	20.0	19.2		ug/L		96	77 - 129	3	30
Styrene	20.0	19.8		ug/L		99	82 - 127	5	30
tert-Butylbenzene	20.0	19.6		ug/L		98	78 - 120	5	30
Tetrachloroethene	20.0	20.9		ug/L		105	70 - 127	4	30
Toluene	20.0	19.4		ug/L		97	78 - 120	5	30
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	70 - 126	4	30
trans-1,3-Dichloropropene	20.0	20.6		ug/L		103	71 - 127	1	30
Trichloroethene	20.0	17.9		ug/L		90	73 - 121	5	30
Trichlorofluoromethane	20.0	17.8		ug/L		89	62 - 134	2	30
Vinyl chloride	20.0	18.7		ug/L		94	55 - 144	5	30
Xylenes, Total	40.0	39.5		ug/L		99	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*113*		*76 - 120*
Dibromofluoromethane (Surr)	*92*		*77 - 132*
Toluene-d8 (Surr)	*102*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1018226/1-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/27/25 09:18	01/28/25 07:25	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018226/1-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018226

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 09:18	01/28/25 07:25	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/27/25 09:18	01/28/25 07:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*01/27/25 09:18*	*01/28/25 07:25*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*01/27/25 09:18*	*01/28/25 07:25*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*01/27/25 09:18*	*01/28/25 07:25*	*1*
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*	*01/27/25 09:18*	*01/28/25 07:25*	*1*
Phenol-d5 (Surr)	*76*		*35 - 132*	*01/27/25 09:18*	*01/28/25 07:25*	*1*
Terphenyl-d14 (Surr)	*87*		*44 - 147*	*01/27/25 09:18*	*01/28/25 07:25*	*1*

Lab Sample ID: LCS 460-1018226/2-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.97		mg/Kg		89	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.97		mg/Kg		89	60 - 120
1,4-Dioxane	3.33	1.64		mg/Kg		49	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.74		mg/Kg		82	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.80		mg/Kg		84	62 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018226/2-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	3.33	2.97		mg/Kg		89	64 - 120
2,4,6-Trichlorophenol	3.33	3.00		mg/Kg		90	65 - 120
2,4-Dichlorophenol	3.33	2.92		mg/Kg		88	66 - 120
2,4-Dimethylphenol	3.33	3.28		mg/Kg		98	46 - 120
2,4-Dinitrophenol	6.67	3.20		mg/Kg		48	41 - 129
2,4-Dinitrotoluene	3.33	2.96		mg/Kg		89	65 - 124
2,6-Dinitrotoluene	3.33	2.94		mg/Kg		88	67 - 121
2-Chloronaphthalene	3.33	2.96		mg/Kg		89	64 - 120
2-Chlorophenol	3.33	2.77		mg/Kg		83	63 - 120
2-Methylnaphthalene	3.33	2.45		mg/Kg		73	64 - 120
2-Methylphenol	3.33	2.84		mg/Kg		85	63 - 120
2-Nitroaniline	3.33	2.69		mg/Kg		81	48 - 120
2-Nitrophenol	3.33	2.79		mg/Kg		84	64 - 120
3 & 4 Methylphenol	3.33	2.76		mg/Kg		83	61 - 120
3,3'-Dichlorobenzidine	3.33	1.07		mg/Kg		32	10 - 120
3-Nitroaniline	3.33	1.63		mg/Kg		49	18 - 122
4,6-Dinitro-2-methylphenol	6.67	5.17		mg/Kg		77	58 - 136
4-Bromophenyl phenyl ether	3.33	3.13		mg/Kg		94	60 - 120
4-Chloro-3-methylphenol	3.33	2.82		mg/Kg		84	66 - 120
4-Chloroaniline	3.33	0.531		mg/Kg		16	10 - 120
4-Chlorophenyl phenyl ether	3.33	2.89		mg/Kg		87	62 - 120
4-Methylphenol	3.33	2.76		mg/Kg		83	61 - 120
4-Nitroaniline	3.33	2.32		mg/Kg		69	51 - 120
4-Nitrophenol	6.67	5.02		mg/Kg		75	42 - 132
Acenaphthene	3.33	2.89		mg/Kg		87	65 - 120
Acenaphthylene	3.33	3.09		mg/Kg		93	64 - 120
Acetophenone	3.33	2.66		mg/Kg		80	61 - 120
Anthracene	3.33	3.01		mg/Kg		90	67 - 120
Atrazine	1.33	1.77		mg/Kg		132	32 - 150
Benzaldehyde	1.33	1.52		mg/Kg		114	28 - 150
Benzo[a]anthracene	3.33	2.87		mg/Kg		86	66 - 120
Benzo[a]pyrene	3.33	3.25		mg/Kg		97	73 - 123
Benzo[b]fluoranthene	3.33	3.10		mg/Kg		93	70 - 125
Benzo[g,h,i]perylene	3.33	3.11		mg/Kg		93	66 - 120
Benzo[k]fluoranthene	3.33	3.19		mg/Kg		96	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.76		mg/Kg		83	62 - 120
Bis(2-chloroethyl)ether	3.33	2.71		mg/Kg		81	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.08		mg/Kg		92	64 - 125
Butyl benzyl phthalate	3.33	3.08		mg/Kg		92	62 - 127
Caprolactam	1.33	1.48		mg/Kg		111	36 - 150
Carbazole	3.33	2.90		mg/Kg		87	64 - 120
Chrysene	3.33	2.84		mg/Kg		85	67 - 120
Dibenz(a,h)anthracene	3.33	3.01		mg/Kg		90	66 - 128
Dibenzofuran	3.33	2.91		mg/Kg		87	61 - 120
Diethyl phthalate	3.33	2.81		mg/Kg		84	63 - 120
Dimethyl phthalate	3.33	2.82		mg/Kg		85	65 - 120
Di-n-butyl phthalate	3.33	2.77		mg/Kg		83	66 - 120
Di-n-octyl phthalate	3.33	3.25		mg/Kg		97	61 - 123
Fluoranthene	3.33	2.82		mg/Kg		85	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018226/2-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018226

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluorene			3.33	2.92		mg/Kg		88	64 - 120		
Hexachlorobenzene			3.33	3.07		mg/Kg		92	66 - 120		
Hexachlorobutadiene			3.33	2.84		mg/Kg		85	62 - 120		
Hexachlorocyclopentadiene			3.33	3.41		mg/Kg		102	13 - 120		
Hexachloroethane			3.33	2.80		mg/Kg		84	61 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.35		mg/Kg		100	71 - 137		
Isophorone			3.33	2.84		mg/Kg		85	61 - 120		
Naphthalene			3.33	2.81		mg/Kg		84	63 - 120		
Nitrobenzene			3.33	2.72		mg/Kg		81	63 - 120		
N-Nitrosodi-n-propylamine			3.33	2.80		mg/Kg		84	56 - 120		
N-Nitrosodiphenylamine			3.33	3.09		mg/Kg		93	63 - 120		
Pentachlorophenol			6.67	5.03		mg/Kg		75	61 - 126		
Phenanthrene			3.33	3.00		mg/Kg		90	66 - 120		
Phenol			3.33	2.81		mg/Kg		84	63 - 120		
Pyrene			3.33	3.26		mg/Kg		98	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*
2-Fluorobiphenyl	*80*		*38 - 128*
2-Fluorophenol (Surr)	*76*		*31 - 133*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*
Phenol-d5 (Surr)	*75*		*35 - 132*
Terphenyl-d14 (Surr)	*85*		*44 - 147*

Lab Sample ID: LCSD 460-1018226/3-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018226

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.22		mg/Kg		97	64 - 120	8	30
1,2,4,5-Tetrachlorobenzene			3.33	3.21		mg/Kg		96	60 - 120	8	30
1,4-Dioxane			3.33	1.75		mg/Kg		53	27 - 120	7	30
2,2'-oxybis[1-chloropropane]			3.33	2.93		mg/Kg		88	46 - 126	7	30
2,3,4,6-Tetrachlorophenol			3.33	3.08		mg/Kg		92	62 - 120	9	30
2,4,5-Trichlorophenol			3.33	3.29		mg/Kg		99	64 - 120	10	30
2,4,6-Trichlorophenol			3.33	3.27		mg/Kg		98	65 - 120	9	30
2,4-Dichlorophenol			3.33	3.25		mg/Kg		98	66 - 120	11	30
2,4-Dimethylphenol			3.33	3.69		mg/Kg		111	46 - 120	12	30
2,4-Dinitrophenol			6.67	3.10		mg/Kg		46	41 - 129	3	30
2,4-Dinitrotoluene			3.33	3.24		mg/Kg		97	65 - 124	9	30
2,6-Dinitrotoluene			3.33	3.26		mg/Kg		98	67 - 121	10	30
2-Chloronaphthalene			3.33	3.21		mg/Kg		96	64 - 120	8	30
2-Chlorophenol			3.33	2.99		mg/Kg		90	63 - 120	7	30
2-Methylnaphthalene			3.33	2.75		mg/Kg		83	64 - 120	12	30
2-Methylphenol			3.33	3.11		mg/Kg		93	63 - 120	9	30
2-Nitroaniline			3.33	2.97		mg/Kg		89	48 - 120	10	30
2-Nitrophenol			3.33	3.11		mg/Kg		93	64 - 120	11	30
3 & 4 Methylphenol			3.33	2.98		mg/Kg		89	61 - 120	8	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018226/3-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018226

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	3.33	1.19		mg/Kg		36	10 - 120	11	30
3-Nitroaniline	3.33	1.89		mg/Kg		57	18 - 122	14	30
4,6-Dinitro-2-methylphenol	6.67	5.10		mg/Kg		76	58 - 136	1	30
4-Bromophenyl phenyl ether	3.33	3.43		mg/Kg		103	60 - 120	9	30
4-Chloro-3-methylphenol	3.33	3.15		mg/Kg		94	66 - 120	11	30
4-Chloroaniline	3.33	0.601		mg/Kg		18	10 - 120	12	30
4-Chlorophenyl phenyl ether	3.33	3.21		mg/Kg		96	62 - 120	11	30
4-Methylphenol	3.33	2.98		mg/Kg		89	61 - 120	8	30
4-Nitroaniline	3.33	2.53		mg/Kg		76	51 - 120	9	30
4-Nitrophenol	6.67	5.55		mg/Kg		83	42 - 132	10	30
Acenaphthene	3.33	3.19		mg/Kg		96	65 - 120	10	30
Acenaphthylene	3.33	3.40		mg/Kg		102	64 - 120	9	30
Acetophenone	3.33	2.84		mg/Kg		85	61 - 120	6	30
Anthracene	3.33	3.28		mg/Kg		98	67 - 120	9	30
Atrazine	1.33	1.84		mg/Kg		138	32 - 150	4	30
Benzaldehyde	1.33	1.57		mg/Kg		118	28 - 150	4	30
Benzo[a]anthracene	3.33	3.14		mg/Kg		94	66 - 120	9	30
Benzo[a]pyrene	3.33	3.58		mg/Kg		107	73 - 123	10	30
Benzo[b]fluoranthene	3.33	3.43		mg/Kg		103	70 - 125	10	30
Benzo[g,h,i]perylene	3.33	3.41		mg/Kg		102	66 - 120	9	30
Benzo[k]fluoranthene	3.33	3.55		mg/Kg		106	67 - 122	11	30
Bis(2-chloroethoxy)methane	3.33	3.06		mg/Kg		92	62 - 120	10	30
Bis(2-chloroethyl)ether	3.33	2.86		mg/Kg		86	60 - 120	6	30
Bis(2-ethylhexyl) phthalate	3.33	3.36		mg/Kg		101	64 - 125	9	30
Butyl benzyl phthalate	3.33	3.39		mg/Kg		102	62 - 127	9	30
Caprolactam	1.33	1.60		mg/Kg		120	36 - 150	8	30
Carbazole	3.33	3.12		mg/Kg		94	64 - 120	7	30
Chrysene	3.33	3.12		mg/Kg		94	67 - 120	9	30
Dibenz(a,h)anthracene	3.33	3.29		mg/Kg		99	66 - 128	9	30
Dibenzofuran	3.33	3.18		mg/Kg		95	61 - 120	9	30
Diethyl phthalate	3.33	3.11		mg/Kg		93	63 - 120	10	30
Dimethyl phthalate	3.33	3.14		mg/Kg		94	65 - 120	11	30
Di-n-butyl phthalate	3.33	2.99		mg/Kg		90	66 - 120	8	30
Di-n-octyl phthalate	3.33	3.61		mg/Kg		108	61 - 123	10	30
Fluoranthene	3.33	3.04		mg/Kg		91	61 - 120	8	30
Fluorene	3.33	3.25		mg/Kg		97	64 - 120	10	30
Hexachlorobenzene	3.33	3.38		mg/Kg		101	66 - 120	9	30
Hexachlorobutadiene	3.33	3.13		mg/Kg		94	62 - 120	10	30
Hexachlorocyclopentadiene	3.33	3.69		mg/Kg		111	13 - 120	8	30
Hexachloroethane	3.33	2.95		mg/Kg		89	61 - 120	6	30
Indeno[1,2,3-cd]pyrene	3.33	3.58		mg/Kg		107	71 - 137	7	30
Isophorone	3.33	3.13		mg/Kg		94	61 - 120	10	30
Naphthalene	3.33	3.09		mg/Kg		93	63 - 120	10	30
Nitrobenzene	3.33	2.91		mg/Kg		87	63 - 120	7	30
N-Nitrosodi-n-propylamine	3.33	3.03		mg/Kg		91	56 - 120	8	30
N-Nitrosodiphenylamine	3.33	3.41		mg/Kg		102	63 - 120	10	30
Pentachlorophenol	6.67	5.41		mg/Kg		81	61 - 126	7	30
Phenanthrene	3.33	3.26		mg/Kg		98	66 - 120	8	30
Phenol	3.33	3.05		mg/Kg		91	63 - 120	8	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018226/3-A
Matrix: Solid
Analysis Batch: 1018329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018226

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			3.33	3.63		mg/Kg		109	61 - 121	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*89*		*38 - 128*
2-Fluorophenol (Surr)	*79*		*31 - 133*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*
Phenol-d5 (Surr)	*82*		*35 - 132*
Terphenyl-d14 (Surr)	*94*		*44 - 147*

Lab Sample ID: MB 460-1018240/1-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/27/25 11:40	01/28/25 05:49	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018240/1-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/27/25 11:40	01/28/25 05:49	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/27/25 11:40	01/28/25 05:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*01/27/25 11:40*	*01/28/25 05:49*	*1*
2-Fluorobiphenyl	*91*		*38 - 128*	*01/27/25 11:40*	*01/28/25 05:49*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*01/27/25 11:40*	*01/28/25 05:49*	*1*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*	*01/27/25 11:40*	*01/28/25 05:49*	*1*
Phenol-d5 (Surr)	*85*		*35 - 132*	*01/27/25 11:40*	*01/28/25 05:49*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*01/27/25 11:40*	*01/28/25 05:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018240/2-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.24		mg/Kg		97	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.19		mg/Kg		96	60 - 120
1,4-Dioxane	3.33	2.53		mg/Kg		76	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.98		mg/Kg		89	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.42		mg/Kg		103	62 - 120
2,4,5-Trichlorophenol	3.33	3.40		mg/Kg		102	64 - 120
2,4,6-Trichlorophenol	3.33	3.48		mg/Kg		105	65 - 120
2,4-Dichlorophenol	3.33	3.29		mg/Kg		99	66 - 120
2,4-Dimethylphenol	3.33	3.85		mg/Kg		116	46 - 120
2,4-Dinitrophenol	6.67	6.47		mg/Kg		97	41 - 129
2,4-Dinitrotoluene	3.33	3.51		mg/Kg		105	65 - 124
2,6-Dinitrotoluene	3.33	3.45		mg/Kg		103	67 - 121
2-Chloronaphthalene	3.33	3.18		mg/Kg		95	64 - 120
2-Chlorophenol	3.33	3.11		mg/Kg		93	63 - 120
2-Methylnaphthalene	3.33	2.78		mg/Kg		83	64 - 120
2-Methylphenol	3.33	3.26		mg/Kg		98	63 - 120
2-Nitroaniline	3.33	3.20		mg/Kg		96	48 - 120
2-Nitrophenol	3.33	3.29		mg/Kg		99	64 - 120
3 & 4 Methylphenol	3.33	3.01		mg/Kg		90	61 - 120
3,3'-Dichlorobenzidine	3.33	1.52		mg/Kg		45	10 - 120
3-Nitroaniline	3.33	1.68		mg/Kg		51	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.84		mg/Kg		118	58 - 136
4-Bromophenyl phenyl ether	3.33	3.36		mg/Kg		101	60 - 120
4-Chloro-3-methylphenol	3.33	3.29		mg/Kg		99	66 - 120
4-Chloroaniline	3.33	0.546		mg/Kg		16	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.25		mg/Kg		97	62 - 120
4-Methylphenol	3.33	3.01		mg/Kg		90	61 - 120
4-Nitroaniline	3.33	2.78		mg/Kg		84	51 - 120
4-Nitrophenol	6.67	6.28		mg/Kg		94	42 - 132
Acenaphthene	3.33	3.26		mg/Kg		98	65 - 120
Acenaphthylene	3.33	3.38		mg/Kg		101	64 - 120
Acetophenone	3.33	3.10		mg/Kg		93	61 - 120
Anthracene	3.33	3.31		mg/Kg		99	67 - 120
Atrazine	1.33	1.49		mg/Kg		111	32 - 150
Benzaldehyde	1.33	1.29		mg/Kg		97	28 - 150
Benzo[a]anthracene	3.33	3.33		mg/Kg		100	66 - 120
Benzo[a]pyrene	3.33	3.62		mg/Kg		108	73 - 123
Benzo[b]fluoranthene	3.33	3.41		mg/Kg		102	70 - 125
Benzo[g,h,i]perylene	3.33	3.68		mg/Kg		110	66 - 120
Benzo[k]fluoranthene	3.33	3.51		mg/Kg		105	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.17		mg/Kg		95	62 - 120
Bis(2-chloroethyl)ether	3.33	3.08		mg/Kg		93	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.37		mg/Kg		101	64 - 125
Butyl benzyl phthalate	3.33	3.28		mg/Kg		99	62 - 127
Caprolactam	1.33	1.44		mg/Kg		108	36 - 150
Carbazole	3.33	3.35		mg/Kg		100	64 - 120
Chrysene	3.33	3.24		mg/Kg		97	67 - 120
Dibenz(a,h)anthracene	3.33	3.56		mg/Kg		107	66 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018240/2-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018240

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dibenzofuran			3.33	3.20		mg/Kg		96	61 - 120		
Diethyl phthalate			3.33	3.21		mg/Kg		96	63 - 120		
Dimethyl phthalate			3.33	3.19		mg/Kg		96	65 - 120		
Di-n-butyl phthalate			3.33	3.16		mg/Kg		95	66 - 120		
Di-n-octyl phthalate			3.33	3.40		mg/Kg		102	61 - 123		
Fluoranthene			3.33	3.31		mg/Kg		99	61 - 120		
Fluorene			3.33	3.29		mg/Kg		99	64 - 120		
Hexachlorobenzene			3.33	3.25		mg/Kg		97	66 - 120		
Hexachlorobutadiene			3.33	3.05		mg/Kg		92	62 - 120		
Hexachlorocyclopentadiene			3.33	4.93	*	mg/Kg		148	13 - 120		
Hexachloroethane			3.33	3.08		mg/Kg		92	61 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.63		mg/Kg		109	71 - 137		
Isophorone			3.33	3.24		mg/Kg		97	61 - 120		
Naphthalene			3.33	3.12		mg/Kg		94	63 - 120		
Nitrobenzene			3.33	3.20		mg/Kg		96	63 - 120		
N-Nitrosodi-n-propylamine			3.33	3.23		mg/Kg		97	56 - 120		
N-Nitrosodiphenylamine			3.33	3.32		mg/Kg		99	63 - 120		
Pentachlorophenol			6.67	7.18		mg/Kg		108	61 - 126		
Phenanthrene			3.33	3.28		mg/Kg		99	66 - 120		
Phenol			3.33	3.09		mg/Kg		93	63 - 120		
Pyrene			3.33	3.32		mg/Kg		100	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	92		*24 - 137*
2-Fluorobiphenyl	91		*38 - 128*
2-Fluorophenol (Surr)	87		*31 - 133*
Nitrobenzene-d5 (Surr)	88		*31 - 120*
Phenol-d5 (Surr)	89		*35 - 132*
Terphenyl-d14 (Surr)	93		*44 - 147*

Lab Sample ID: LCSD 460-1018240/3-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018240

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.16		mg/Kg		95	64 - 120	3	30
1,2,4,5-Tetrachlorobenzene			3.33	3.10		mg/Kg		93	60 - 120	3	30
1,4-Dioxane			3.33	2.46		mg/Kg		74	27 - 120	3	30
2,2'-oxybis[1-chloropropane]			3.33	2.85		mg/Kg		85	46 - 126	5	30
2,3,4,6-Tetrachlorophenol			3.33	3.25		mg/Kg		97	62 - 120	5	30
2,4,5-Trichlorophenol			3.33	3.28		mg/Kg		98	64 - 120	4	30
2,4,6-Trichlorophenol			3.33	3.34		mg/Kg		100	65 - 120	4	30
2,4-Dichlorophenol			3.33	3.17		mg/Kg		95	66 - 120	4	30
2,4-Dimethylphenol			3.33	3.68		mg/Kg		110	46 - 120	5	30
2,4-Dinitrophenol			6.67	6.17		mg/Kg		93	41 - 129	5	30
2,4-Dinitrotoluene			3.33	3.28		mg/Kg		98	65 - 124	7	30
2,6-Dinitrotoluene			3.33	3.29		mg/Kg		99	67 - 121	5	30
2-Chloronaphthalene			3.33	3.06		mg/Kg		92	64 - 120	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018240/3-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorophenol	3.33	2.98		mg/Kg		89	63 - 120	4	30
2-Methylnaphthalene	3.33	2.71		mg/Kg		81	64 - 120	3	30
2-Methylphenol	3.33	3.07		mg/Kg		92	63 - 120	6	30
2-Nitroaniline	3.33	3.10		mg/Kg		93	48 - 120	3	30
2-Nitrophenol	3.33	3.18		mg/Kg		95	64 - 120	3	30
3 & 4 Methylphenol	3.33	2.87		mg/Kg		86	61 - 120	5	30
3,3'-Dichlorobenzidine	3.33	1.43		mg/Kg		43	10 - 120	6	30
3-Nitroaniline	3.33	1.48		mg/Kg		44	18 - 122	13	30
4,6-Dinitro-2-methylphenol	6.67	7.56		mg/Kg		113	58 - 136	4	30
4-Bromophenyl phenyl ether	3.33	3.21		mg/Kg		96	60 - 120	5	30
4-Chloro-3-methylphenol	3.33	3.14		mg/Kg		94	66 - 120	5	30
4-Chloroaniline	3.33	0.477		mg/Kg		14	10 - 120	13	30
4-Chlorophenyl phenyl ether	3.33	3.11		mg/Kg		93	62 - 120	4	30
4-Methylphenol	3.33	2.87		mg/Kg		86	61 - 120	5	30
4-Nitroaniline	3.33	2.68		mg/Kg		80	51 - 120	4	30
4-Nitrophenol	6.67	5.92		mg/Kg		89	42 - 132	6	30
Acenaphthene	3.33	3.13		mg/Kg		94	65 - 120	4	30
Acenaphthylene	3.33	3.25		mg/Kg		98	64 - 120	4	30
Acetophenone	3.33	2.93		mg/Kg		88	61 - 120	6	30
Anthracene	3.33	3.20		mg/Kg		96	67 - 120	3	30
Atrazine	1.33	1.51		mg/Kg		114	32 - 150	2	30
Benzaldehyde	1.33	1.34		mg/Kg		100	28 - 150	4	30
Benzo[a]anthracene	3.33	3.16		mg/Kg		95	66 - 120	5	30
Benzo[a]pyrene	3.33	3.48		mg/Kg		104	73 - 123	4	30
Benzo[b]fluoranthene	3.33	3.27		mg/Kg		98	70 - 125	4	30
Benzo[g,h,i]perylene	3.33	3.55		mg/Kg		107	66 - 120	3	30
Benzo[k]fluoranthene	3.33	3.47		mg/Kg		104	67 - 122	1	30
Bis(2-chloroethoxy)methane	3.33	3.01		mg/Kg		90	62 - 120	5	30
Bis(2-chloroethyl)ether	3.33	2.96		mg/Kg		89	60 - 120	4	30
Bis(2-ethylhexyl) phthalate	3.33	3.22		mg/Kg		97	64 - 125	5	30
Butyl benzyl phthalate	3.33	3.09		mg/Kg		93	62 - 127	6	30
Caprolactam	1.33	1.44		mg/Kg		108	36 - 150	0	30
Carbazole	3.33	3.17		mg/Kg		95	64 - 120	5	30
Chrysene	3.33	3.09		mg/Kg		93	67 - 120	5	30
Dibenz(a,h)anthracene	3.33	3.42		mg/Kg		103	66 - 128	4	30
Dibenzofuran	3.33	3.04		mg/Kg		91	61 - 120	5	30
Diethyl phthalate	3.33	3.02		mg/Kg		91	63 - 120	6	30
Dimethyl phthalate	3.33	3.06		mg/Kg		92	65 - 120	4	30
Di-n-butyl phthalate	3.33	3.03		mg/Kg		91	66 - 120	4	30
Di-n-octyl phthalate	3.33	3.24		mg/Kg		97	61 - 123	5	30
Fluoranthene	3.33	3.20		mg/Kg		96	61 - 120	4	30
Fluorene	3.33	3.14		mg/Kg		94	64 - 120	5	30
Hexachlorobenzene	3.33	3.17		mg/Kg		95	66 - 120	2	30
Hexachlorobutadiene	3.33	2.98		mg/Kg		89	62 - 120	3	30
Hexachlorocyclopentadiene	3.33	4.72	*	mg/Kg		141	13 - 120	4	30
Hexachloroethane	3.33	2.93		mg/Kg		88	61 - 120	5	30
Indeno[1,2,3-cd]pyrene	3.33	3.62		mg/Kg		109	71 - 137	0	30
Isophorone	3.33	3.04		mg/Kg		91	61 - 120	6	30
Naphthalene	3.33	3.00		mg/Kg		90	63 - 120	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018240/3-A
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018240

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene			3.33	3.12		mg/Kg		93	63 - 120	3	30
N-Nitrosodi-n-propylamine			3.33	3.02		mg/Kg		91	56 - 120	7	30
N-Nitrosodiphenylamine			3.33	3.19		mg/Kg		96	63 - 120	4	30
Pentachlorophenol			6.67	6.96		mg/Kg		104	61 - 126	3	30
Phenanthrene			3.33	3.17		mg/Kg		95	66 - 120	4	30
Phenol			3.33	2.93		mg/Kg		88	63 - 120	5	30
Pyrene			3.33	3.20		mg/Kg		96	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*87*		*38 - 128*
2-Fluorophenol (Surr)	*81*		*31 - 133*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*
Phenol-d5 (Surr)	*85*		*35 - 132*
Terphenyl-d14 (Surr)	*88*		*44 - 147*

Lab Sample ID: 460-319229-H-4-G MS
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.33	U	3.37	3.03		mg/Kg	☼	90	64 - 120
1,2,4,5-Tetrachlorobenzene	0.33	U	3.37	2.89		mg/Kg	☼	86	60 - 120
1,4-Dioxane	0.033	U	3.37	1.96		mg/Kg	☼	58	27 - 120
2,2'-oxybis[1-chloropropane]	0.33	U	3.37	2.61		mg/Kg	☼	77	46 - 126
2,3,4,6-Tetrachlorophenol	0.33	U	3.37	2.16		mg/Kg	☼	64	62 - 120
2,4,5-Trichlorophenol	0.33	U	3.37	2.84		mg/Kg	☼	84	64 - 120
2,4,6-Trichlorophenol	0.13	U	3.37	2.69		mg/Kg	☼	80	65 - 120
2,4-Dichlorophenol	0.13	U	3.37	2.91		mg/Kg	☼	86	66 - 120
2,4-Dimethylphenol	0.33	U	3.37	3.41		mg/Kg	☼	101	46 - 120
2,4-Dinitrophenol	0.27	U	6.75	0.551	*	mg/Kg	☼	8	41 - 129
2,4-Dinitrotoluene	0.068	U	3.37	3.15		mg/Kg	☼	93	65 - 124
2,6-Dinitrotoluene	0.068	U	3.37	3.16		mg/Kg	☼	94	67 - 121
2-Chloronaphthalene	0.33	U	3.37	2.90		mg/Kg	☼	86	64 - 120
2-Chlorophenol	0.33	U	3.37	2.69		mg/Kg	☼	80	63 - 120
2-Methylnaphthalene	0.33	U	3.37	2.51		mg/Kg	☼	74	64 - 120
2-Methylphenol	0.33	U	3.37	2.83		mg/Kg	☼	84	63 - 120
2-Nitroaniline	0.33	U	3.37	2.96		mg/Kg	☼	88	48 - 120
2-Nitrophenol	0.33	U	3.37	2.17		mg/Kg	☼	64	64 - 120
3 & 4 Methylphenol	0.33	U	3.37	2.64		mg/Kg	☼	78	61 - 120
3,3'-Dichlorobenzidine	0.13	U	3.37	2.24		mg/Kg	☼	66	10 - 120
3-Nitroaniline	0.33	U	3.37	2.57		mg/Kg	☼	76	18 - 122
4,6-Dinitro-2-methylphenol	0.27	U	6.75	1.04	*	mg/Kg	☼	15	58 - 136
4-Bromophenyl phenyl ether	0.33	U	3.37	3.08		mg/Kg	☼	91	60 - 120
4-Chloro-3-methylphenol	0.33	U	3.37	2.90		mg/Kg	☼	86	66 - 120
4-Chloroaniline	0.33	U	3.37	1.83		mg/Kg	☼	54	10 - 120
4-Chlorophenyl phenyl ether	0.33	U	3.37	3.00		mg/Kg	☼	89	62 - 120
4-Methylphenol	0.33	U	3.37	2.64		mg/Kg	☼	78	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319229-H-4-G MS
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitroaniline	0.33	U	3.37	2.79		mg/Kg	☼	83	51 - 120
4-Nitrophenol	0.68	U	6.75	4.45		mg/Kg	☼	66	42 - 132
Acenaphthene	0.33	U	3.37	2.97		mg/Kg	☼	88	65 - 120
Acenaphthylene	0.33	U	3.37	3.12		mg/Kg	☼	92	64 - 120
Acetophenone	0.33	U	3.37	2.70		mg/Kg	☼	80	61 - 120
Anthracene	0.33	U	3.37	3.09		mg/Kg	☼	92	67 - 120
Atrazine	0.13	U	1.35	2.07	*	mg/Kg	☼	153	32 - 150
Benzaldehyde	0.33	U	1.35	1.59		mg/Kg	☼	118	28 - 150
Benzo[a]anthracene	0.033	U	3.37	3.09		mg/Kg	☼	92	66 - 120
Benzo[a]pyrene	0.033	U	3.37	3.41		mg/Kg	☼	101	73 - 123
Benzo[b]fluoranthene	0.033	U	3.37	3.25		mg/Kg	☼	96	70 - 125
Benzo[g,h,i]perylene	0.33	U	3.37	3.38		mg/Kg	☼	100	66 - 120
Benzo[k]fluoranthene	0.033	U	3.37	3.35		mg/Kg	☼	99	67 - 122
Bis(2-chloroethoxy)methane	0.33	U	3.37	2.74		mg/Kg	☼	81	62 - 120
Bis(2-chloroethyl)ether	0.033	U	3.37	2.71		mg/Kg	☼	80	60 - 120
Bis(2-ethylhexyl) phthalate	0.33	U	3.37	3.15		mg/Kg	☼	93	64 - 125
Butyl benzyl phthalate	0.33	U	3.37	3.01		mg/Kg	☼	89	62 - 127
Caprolactam	0.33	U	1.35	1.73		mg/Kg	☼	128	36 - 150
Carbazole	0.33	U	3.37	3.05		mg/Kg	☼	91	64 - 120
Chrysene	0.33	U	3.37	3.01		mg/Kg	☼	89	67 - 120
Dibenz(a,h)anthracene	0.033	U	3.37	3.29		mg/Kg	☼	97	66 - 128
Dibenzofuran	0.33	U	3.37	2.94		mg/Kg	☼	87	61 - 120
Diethyl phthalate	0.33	U	3.37	2.92		mg/Kg	☼	86	63 - 120
Dimethyl phthalate	0.33	U	3.37	2.96		mg/Kg	☼	88	65 - 120
Di-n-butyl phthalate	0.33	U	3.37	2.91		mg/Kg	☼	86	66 - 120
Di-n-octyl phthalate	0.33	U	3.37	3.25		mg/Kg	☼	96	61 - 123
Fluoranthene	0.33	U	3.37	3.03		mg/Kg	☼	90	61 - 120
Fluorene	0.33	U	3.37	3.06		mg/Kg	☼	91	64 - 120
Hexachlorobenzene	0.033	U	3.37	3.05		mg/Kg	☼	90	66 - 120
Hexachlorobutadiene	0.068	U	3.37	2.65		mg/Kg	☼	78	62 - 120
Hexachlorocyclopentadiene	0.33	U *	3.37	4.27	*	mg/Kg	☼	126	13 - 120
Hexachloroethane	0.033	U	3.37	2.65		mg/Kg	☼	79	61 - 120
Indeno[1,2,3-cd]pyrene	0.033	U	3.37	3.50		mg/Kg	☼	104	71 - 137
Isophorone	0.13	U	3.37	2.80		mg/Kg	☼	83	61 - 120
Naphthalene	0.33	U	3.37	2.74		mg/Kg	☼	81	63 - 120
Nitrobenzene	0.033	U	3.37	2.78		mg/Kg	☼	82	63 - 120
N-Nitrosodi-n-propylamine	0.033	U	3.37	2.79		mg/Kg	☼	83	56 - 120
N-Nitrosodiphenylamine	0.33	U	3.37	3.11		mg/Kg	☼	92	63 - 120
Pentachlorophenol	0.27	U	6.75	3.30	*	mg/Kg	☼	49	61 - 126
Phenanthrene	0.33	U	3.37	3.04		mg/Kg	☼	90	66 - 120
Phenol	0.33	U	3.37	2.72		mg/Kg	☼	81	63 - 120
Pyrene	0.33	U	3.37	3.13		mg/Kg	☼	93	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*77*		*24 - 137*
2-Fluorobiphenyl	*90*		*38 - 128*
2-Fluorophenol (Surr)	*82*		*31 - 133*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319229-H-4-G MS
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018240

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5 (Surr)	85		35 - 132
Terphenyl-d14 (Surr)	95		44 - 147

Lab Sample ID: 460-319229-H-4-H MSD
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.33	U	3.37	3.28		mg/Kg	☼	97	64 - 120	8	30
1,2,4,5-Tetrachlorobenzene	0.33	U	3.37	3.24		mg/Kg	☼	96	60 - 120	11	30
1,4-Dioxane	0.033	U	3.37	2.19		mg/Kg	☼	65	27 - 120	11	30
2,2'-oxybis[1-chloropropane]	0.33	U	3.37	2.91		mg/Kg	☼	86	46 - 126	11	30
2,3,4,6-Tetrachlorophenol	0.33	U	3.37	2.55		mg/Kg	☼	76	62 - 120	17	30
2,4,5-Trichlorophenol	0.33	U	3.37	3.20		mg/Kg	☼	95	64 - 120	12	30
2,4,6-Trichlorophenol	0.13	U	3.37	3.14		mg/Kg	☼	93	65 - 120	15	30
2,4-Dichlorophenol	0.13	U	3.37	3.19		mg/Kg	☼	95	66 - 120	9	30
2,4-Dimethylphenol	0.33	U	3.37	3.69		mg/Kg	☼	109	46 - 120	8	30
2,4-Dinitrophenol	0.27	U	6.74	0.597	*	mg/Kg	☼	9	41 - 129	8	30
2,4-Dinitrotoluene	0.068	U	3.37	3.42		mg/Kg	☼	101	65 - 124	8	30
2,6-Dinitrotoluene	0.068	U	3.37	3.45		mg/Kg	☼	102	67 - 121	9	30
2-Chloronaphthalene	0.33	U	3.37	3.18		mg/Kg	☼	94	64 - 120	9	30
2-Chlorophenol	0.33	U	3.37	3.00		mg/Kg	☼	89	63 - 120	11	30
2-Methylnaphthalene	0.33	U	3.37	2.78		mg/Kg	☼	83	64 - 120	11	30
2-Methylphenol	0.33	U	3.37	3.15		mg/Kg	☼	93	63 - 120	11	30
2-Nitroaniline	0.33	U	3.37	3.20		mg/Kg	☼	95	48 - 120	8	30
2-Nitrophenol	0.33	U	3.37	2.83		mg/Kg	☼	84	64 - 120	26	30
3 & 4 Methylphenol	0.33	U	3.37	2.92		mg/Kg	☼	87	61 - 120	10	30
3,3'-Dichlorobenzidine	0.13	U	3.37	2.74		mg/Kg	☼	81	10 - 120	20	30
3-Nitroaniline	0.33	U	3.37	3.05		mg/Kg	☼	90	18 - 122	17	30
4,6-Dinitro-2-methylphenol	0.27	U	6.74	1.12	*	mg/Kg	☼	17	58 - 136	8	30
4-Bromophenyl phenyl ether	0.33	U	3.37	3.32		mg/Kg	☼	98	60 - 120	8	30
4-Chloro-3-methylphenol	0.33	U	3.37	3.20		mg/Kg	☼	95	66 - 120	10	30
4-Chloroaniline	0.33	U	3.37	2.64	*	mg/Kg	☼	78	10 - 120	36	30
4-Chlorophenyl phenyl ether	0.33	U	3.37	3.27		mg/Kg	☼	97	62 - 120	9	30
4-Methylphenol	0.33	U	3.37	2.92		mg/Kg	☼	87	61 - 120	10	30
4-Nitroaniline	0.33	U	3.37	2.91		mg/Kg	☼	86	51 - 120	4	30
4-Nitrophenol	0.68	U	6.74	5.07		mg/Kg	☼	75	42 - 132	13	30
Acenaphthene	0.33	U	3.37	3.24		mg/Kg	☼	96	65 - 120	9	30
Acenaphthylene	0.33	U	3.37	3.42		mg/Kg	☼	102	64 - 120	9	30
Acetophenone	0.33	U	3.37	3.02		mg/Kg	☼	90	61 - 120	11	30
Anthracene	0.33	U	3.37	3.32		mg/Kg	☼	99	67 - 120	7	30
Atrazine	0.13	U	1.35	2.16	*	mg/Kg	☼	160	32 - 150	4	30
Benzaldehyde	0.33	U	1.35	1.75		mg/Kg	☼	130	28 - 150	9	30
Benzo[a]anthracene	0.033	U	3.37	3.27		mg/Kg	☼	97	66 - 120	6	30
Benzo[a]pyrene	0.033	U	3.37	3.61		mg/Kg	☼	107	73 - 123	6	30
Benzo[b]fluoranthene	0.033	U	3.37	3.42		mg/Kg	☼	102	70 - 125	5	30
Benzo[g,h,i]perylene	0.33	U	3.37	3.56		mg/Kg	☼	105	66 - 120	5	30
Benzo[k]fluoranthene	0.033	U	3.37	3.54		mg/Kg	☼	105	67 - 122	6	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319229-H-4-H MSD
Matrix: Solid
Analysis Batch: 1018311

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	0.33	U	3.37	3.09		mg/Kg	☼	92	62 - 120	12	30
Bis(2-chloroethyl)ether	0.033	U	3.37	3.03		mg/Kg	☼	90	60 - 120	11	30
Bis(2-ethylhexyl) phthalate	0.33	U	3.37	3.37		mg/Kg	☼	100	64 - 125	7	30
Butyl benzyl phthalate	0.33	U	3.37	3.20		mg/Kg	☼	95	62 - 127	6	30
Caprolactam	0.33	U	1.35	1.79		mg/Kg	☼	133	36 - 150	3	30
Carbazole	0.33	U	3.37	3.25		mg/Kg	☼	96	64 - 120	6	30
Chrysene	0.33	U	3.37	3.17		mg/Kg	☼	94	67 - 120	5	30
Dibenz(a,h)anthracene	0.033	U	3.37	3.44		mg/Kg	☼	102	66 - 128	5	30
Dibenzofuran	0.33	U	3.37	3.22		mg/Kg	☼	95	61 - 120	9	30
Diethyl phthalate	0.33	U	3.37	3.15		mg/Kg	☼	94	63 - 120	8	30
Dimethyl phthalate	0.33	U	3.37	3.18		mg/Kg	☼	94	65 - 120	7	30
Di-n-butyl phthalate	0.33	U	3.37	3.12		mg/Kg	☼	93	66 - 120	7	30
Di-n-octyl phthalate	0.33	U	3.37	3.42		mg/Kg	☼	101	61 - 123	5	30
Fluoranthene	0.33	U	3.37	3.26		mg/Kg	☼	97	61 - 120	7	30
Fluorene	0.33	U	3.37	3.30		mg/Kg	☼	98	64 - 120	8	30
Hexachlorobenzene	0.033	U	3.37	3.31		mg/Kg	☼	98	66 - 120	8	30
Hexachlorobutadiene	0.068	U	3.37	2.97		mg/Kg	☼	88	62 - 120	12	30
Hexachlorocyclopentadiene	0.33	U *	3.37	4.89	*	mg/Kg	☼	145	13 - 120	14	30
Hexachloroethane	0.033	U	3.37	2.99		mg/Kg	☼	89	61 - 120	12	30
Indeno[1,2,3-cd]pyrene	0.033	U	3.37	3.57		mg/Kg	☼	106	71 - 137	2	30
Isophorone	0.13	U	3.37	3.12		mg/Kg	☼	92	61 - 120	11	30
Naphthalene	0.33	U	3.37	3.06		mg/Kg	☼	91	63 - 120	11	30
Nitrobenzene	0.033	U	3.37	3.09		mg/Kg	☼	92	63 - 120	10	30
N-Nitrosodi-n-propylamine	0.033	U	3.37	3.08		mg/Kg	☼	91	56 - 120	10	30
N-Nitrosodiphenylamine	0.33	U	3.37	3.34		mg/Kg	☼	99	63 - 120	7	30
Pentachlorophenol	0.27	U	6.74	3.53	*	mg/Kg	☼	52	61 - 126	7	30
Phenanthrene	0.33	U	3.37	3.29		mg/Kg	☼	98	66 - 120	8	30
Phenol	0.33	U	3.37	3.01		mg/Kg	☼	89	63 - 120	10	30
Pyrene	0.33	U	3.37	3.31		mg/Kg	☼	98	61 - 121	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 137*
2-Fluorobiphenyl	*91*		*38 - 128*
2-Fluorophenol (Surr)	*83*		*31 - 133*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*
Phenol-d5 (Surr)	*85*		*35 - 132*
Terphenyl-d14 (Surr)	*91*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1018103/1-A
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/25/25 18:32	01/27/25 03:51	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1018103/1-A
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018103

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/25/25 18:32	01/27/25 03:51	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/25/25 18:32	01/27/25 03:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*17 - 150*	*01/25/25 18:32*	*01/27/25 03:51*	*1*
DCB Decachlorobiphenyl	*49*		*17 - 150*	*01/25/25 18:32*	*01/27/25 03:51*	*1*
Tetrachloro-m-xylene	*75*		*21 - 150*	*01/25/25 18:32*	*01/27/25 03:51*	*1*
Tetrachloro-m-xylene	*74*		*21 - 150*	*01/25/25 18:32*	*01/27/25 03:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1018103/2-A
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018103

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.133	0.109		mg/Kg		82	70 - 138		
4,4'-DDD			0.133	0.123		mg/Kg		92	70 - 138		
4,4'-DDE			0.133	0.114		mg/Kg		86	68 - 136		
4,4'-DDE			0.133	0.116		mg/Kg		87	68 - 136		
4,4'-DDT			0.133	0.111		mg/Kg		84	66 - 149		
4,4'-DDT			0.133	0.112		mg/Kg		84	66 - 149		
Aldrin			0.133	0.114		mg/Kg		86	69 - 136		
Aldrin			0.133	0.120		mg/Kg		90	69 - 136		
alpha-BHC			0.133	0.124		mg/Kg		93	72 - 134		
alpha-BHC			0.133	0.131		mg/Kg		98	72 - 134		
beta-BHC			0.133	0.115		mg/Kg		86	71 - 130		
beta-BHC			0.133	0.120		mg/Kg		90	71 - 130		
cis-Chlordane			0.133	0.124		mg/Kg		93	69 - 135		
cis-Chlordane			0.133	0.127		mg/Kg		95	69 - 135		
delta-BHC			0.133	0.112		mg/Kg		84	69 - 140		
delta-BHC			0.133	0.122		mg/Kg		92	69 - 140		
Dieldrin			0.133	0.122		mg/Kg		91	69 - 134		
Dieldrin			0.133	0.126		mg/Kg		94	69 - 134		
Endosulfan I			0.133	0.124		mg/Kg		93	69 - 133		
Endosulfan I			0.133	0.133		mg/Kg		100	69 - 133		
Endosulfan II			0.133	0.131		mg/Kg		98	71 - 137		
Endosulfan II			0.133	0.138		mg/Kg		103	71 - 137		
Endosulfan sulfate			0.133	0.116		mg/Kg		87	61 - 140		
Endosulfan sulfate			0.133	0.118		mg/Kg		89	61 - 140		
Endrin			0.133	0.127		mg/Kg		95	67 - 141		
Endrin			0.133	0.137		mg/Kg		103	67 - 141		
Endrin aldehyde			0.133	0.122		mg/Kg		92	71 - 136		
Endrin aldehyde			0.133	0.124		mg/Kg		93	71 - 136		
Endrin ketone			0.133	0.118		mg/Kg		88	60 - 146		
Endrin ketone			0.133	0.120		mg/Kg		90	60 - 146		
gamma-BHC (Lindane)			0.133	0.122		mg/Kg		92	72 - 139		
gamma-BHC (Lindane)			0.133	0.131		mg/Kg		98	72 - 139		
Heptachlor			0.133	0.112		mg/Kg		84	74 - 138		
Heptachlor			0.133	0.119		mg/Kg		89	74 - 138		
Heptachlor epoxide			0.133	0.124		mg/Kg		93	72 - 134		
Heptachlor epoxide			0.133	0.126		mg/Kg		95	72 - 134		
Methoxychlor			0.133	0.107		mg/Kg		80	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*17 - 150*
DCB Decachlorobiphenyl	*58*		*17 - 150*
Tetrachloro-m-xylene	*60*		*21 - 150*
Tetrachloro-m-xylene	*66*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1018103/3-A
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018103

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.107		mg/Kg		80	70 - 138	2	30
4,4'-DDD			0.133	0.108		mg/Kg		81	70 - 138	12	30
4,4'-DDE			0.133	0.111		mg/Kg		83	68 - 136	3	30
4,4'-DDE			0.133	0.102		mg/Kg		77	68 - 136	13	30
4,4'-DDT			0.133	0.109		mg/Kg		82	66 - 149	2	30
4,4'-DDT			0.133	0.0983		mg/Kg		74	66 - 149	13	30
Aldrin			0.133	0.114		mg/Kg		86	69 - 136	0	30
Aldrin			0.133	0.109		mg/Kg		81	69 - 136	10	30
alpha-BHC			0.133	0.124		mg/Kg		93	72 - 134	0	30
alpha-BHC			0.133	0.118		mg/Kg		89	72 - 134	10	30
beta-BHC			0.133	0.112		mg/Kg		84	71 - 130	3	30
beta-BHC			0.133	0.107		mg/Kg		80	71 - 130	12	30
cis-Chlordane			0.133	0.123		mg/Kg		92	69 - 135	0	30
cis-Chlordane			0.133	0.114		mg/Kg		86	69 - 135	11	30
delta-BHC			0.133	0.115		mg/Kg		86	69 - 140	3	30
delta-BHC			0.133	0.108		mg/Kg		81	69 - 140	12	30
Dieldrin			0.133	0.120		mg/Kg		90	69 - 134	1	30
Dieldrin			0.133	0.113		mg/Kg		85	69 - 134	10	30
Endosulfan I			0.133	0.122		mg/Kg		92	69 - 133	1	30
Endosulfan I			0.133	0.120		mg/Kg		90	69 - 133	11	30
Endosulfan II			0.133	0.129		mg/Kg		97	71 - 137	2	30
Endosulfan II			0.133	0.122		mg/Kg		91	71 - 137	12	30
Endosulfan sulfate			0.133	0.115		mg/Kg		86	61 - 140	1	30
Endosulfan sulfate			0.133	0.105		mg/Kg		79	61 - 140	12	30
Endrin			0.133	0.126		mg/Kg		95	67 - 141	1	30
Endrin			0.133	0.123		mg/Kg		92	67 - 141	11	30
Endrin aldehyde			0.133	0.120		mg/Kg		90	71 - 136	2	30
Endrin aldehyde			0.133	0.109		mg/Kg		82	71 - 136	13	30
Endrin ketone			0.133	0.119		mg/Kg		89	60 - 146	1	30
Endrin ketone			0.133	0.106		mg/Kg		80	60 - 146	12	30
gamma-BHC (Lindane)			0.133	0.121		mg/Kg		91	72 - 139	1	30
gamma-BHC (Lindane)			0.133	0.119		mg/Kg		89	72 - 139	10	30
Heptachlor			0.133	0.111		mg/Kg		83	74 - 138	1	30
Heptachlor			0.133	0.106		mg/Kg		80	74 - 138	11	30
Heptachlor epoxide			0.133	0.122		mg/Kg		92	72 - 134	1	30
Heptachlor epoxide			0.133	0.115		mg/Kg		87	72 - 134	9	30
Methoxychlor			0.133	0.105		mg/Kg		79	60 - 150	2	30
Methoxychlor			0.133	0.0858		mg/Kg		64	60 - 150	NaN	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*17 - 150*
DCB Decachlorobiphenyl	*54*		*17 - 150*
Tetrachloro-m-xylene	*66*		*21 - 150*
Tetrachloro-m-xylene	*66*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319175-E-5-G MS
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018103

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0080	U	0.159	0.225	*	mg/Kg	☼	142	70 - 138
4,4'-DDD	0.0080	U	0.159	0.254	*	mg/Kg	☼	160	70 - 138
4,4'-DDE	0.0080	U	0.159	0.229	*	mg/Kg	☼	144	68 - 136
4,4'-DDE	0.0080	U	0.159	0.225	*	mg/Kg	☼	142	68 - 136
4,4'-DDT	0.0080	U	0.159	0.248	*	mg/Kg	☼	156	66 - 149
4,4'-DDT	0.0080	U	0.159	0.239	*	mg/Kg	☼	150	66 - 149
Aldrin	0.0080	U	0.159	0.209		mg/Kg	☼	132	69 - 136
Aldrin	0.0080	U	0.159	0.208		mg/Kg	☼	131	69 - 136
alpha-BHC	0.0024	U	0.159	0.228	*	mg/Kg	☼	144	72 - 134
alpha-BHC	0.0024	U	0.159	0.237	*	mg/Kg	☼	149	72 - 134
beta-BHC	0.0024	U	0.159	0.225	*	mg/Kg	☼	142	71 - 130
beta-BHC	0.0024	U	0.159	0.221	*	mg/Kg	☼	139	71 - 130
cis-Chlordane	0.0080	U	0.159	0.235	*	mg/Kg	☼	148	69 - 135
cis-Chlordane	0.0080	U	0.159	0.227	*	mg/Kg	☼	143	69 - 135
delta-BHC	0.0024	U	0.159	0.240	*	mg/Kg	☼	151	69 - 140
delta-BHC	0.0024	U	0.159	0.246	*	mg/Kg	☼	155	69 - 140
Dieldrin	0.0024	U	0.159	0.230	*	mg/Kg	☼	145	69 - 134
Dieldrin	0.0024	U	0.159	0.220	*	mg/Kg	☼	138	69 - 134
Endosulfan I	0.0080	U	0.159	0.233	*	mg/Kg	☼	147	69 - 133
Endosulfan I	0.0080	U	0.159	0.223	*	mg/Kg	☼	140	69 - 133
Endosulfan II	0.0080	U	0.159	0.253	*	mg/Kg	☼	159	71 - 137
Endosulfan II	0.0080	U	0.159	0.251	*	mg/Kg	☼	158	71 - 137
Endosulfan sulfate	0.0080	U	0.159	0.233	*	mg/Kg	☼	147	61 - 140
Endosulfan sulfate	0.0080	U	0.159	0.226	*	mg/Kg	☼	142	61 - 140
Endrin	0.0080	U	0.159	0.242	*	mg/Kg	☼	152	67 - 141
Endrin	0.0080	U	0.159	0.250	*	mg/Kg	☼	157	67 - 141
Endrin aldehyde	0.0080	U	0.159	0.202		mg/Kg	☼	127	71 - 136
Endrin aldehyde	0.0080	U	0.159	0.194		mg/Kg	☼	122	71 - 136
Endrin ketone	0.0080	U	0.159	0.251	*	mg/Kg	☼	158	60 - 146
Endrin ketone	0.0080	U	0.159	0.236	*	mg/Kg	☼	148	60 - 146
gamma-BHC (Lindane)	0.0024	U	0.159	0.235	*	mg/Kg	☼	148	72 - 139
gamma-BHC (Lindane)	0.0024	U	0.159	0.213		mg/Kg	☼	134	72 - 139
Heptachlor	0.0080	U	0.159	0.232	*	mg/Kg	☼	146	74 - 138
Heptachlor	0.0080	U	0.159	0.236	*	mg/Kg	☼	148	74 - 138
Heptachlor epoxide	0.0080	U	0.159	0.231	*	mg/Kg	☼	145	72 - 134
Heptachlor epoxide	0.0080	U	0.159	0.221	*	mg/Kg	☼	139	72 - 134
Methoxychlor	0.0080	U	0.159	0.240	*	mg/Kg	☼	151	60 - 150
Methoxychlor	0.0080	U	0.159	0.214		mg/Kg	☼	134	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*17 - 150*
DCB Decachlorobiphenyl	*77*		*17 - 150*
Tetrachloro-m-xylene	*69*		*21 - 150*
Tetrachloro-m-xylene	*67*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319175-E-5-H MSD
Matrix: Solid
Analysis Batch: 1018163

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018103

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0080	U	0.159	0.230	*	mg/Kg	☼	145	70 - 138	2	30
4,4'-DDD	0.0080	U	0.159	0.256	*	mg/Kg	☼	161	70 - 138	0	30
4,4'-DDE	0.0080	U	0.159	0.233	*	mg/Kg	☼	147	68 - 136	2	30
4,4'-DDE	0.0080	U	0.159	0.223	*	mg/Kg	☼	140	68 - 136	1	30
4,4'-DDT	0.0080	U	0.159	0.255	*	mg/Kg	☼	160	66 - 149	3	30
4,4'-DDT	0.0080	U	0.159	0.243	*	mg/Kg	☼	153	66 - 149	2	30
Aldrin	0.0080	U	0.159	0.213		mg/Kg	☼	134	69 - 136	2	30
Aldrin	0.0080	U	0.159	0.206		mg/Kg	☼	130	69 - 136	1	30
alpha-BHC	0.0024	U	0.159	0.227	*	mg/Kg	☼	143	72 - 134	1	30
alpha-BHC	0.0024	U	0.159	0.239	*	mg/Kg	☼	150	72 - 134	1	30
beta-BHC	0.0024	U	0.159	0.228	*	mg/Kg	☼	143	71 - 130	1	30
beta-BHC	0.0024	U	0.159	0.226	*	mg/Kg	☼	142	71 - 130	2	30
cis-Chlordane	0.0080	U	0.159	0.241	*	mg/Kg	☼	152	69 - 135	2	30
cis-Chlordane	0.0080	U	0.159	0.228	*	mg/Kg	☼	143	69 - 135	0	30
delta-BHC	0.0024	U	0.159	0.245	*	mg/Kg	☼	154	69 - 140	2	30
delta-BHC	0.0024	U	0.159	0.250	*	mg/Kg	☼	157	69 - 140	2	30
Dieldrin	0.0024	U	0.159	0.234	*	mg/Kg	☼	147	69 - 134	2	30
Dieldrin	0.0024	U	0.159	0.224	*	mg/Kg	☼	141	69 - 134	2	30
Endosulfan I	0.0080	U	0.159	0.236	*	mg/Kg	☼	149	69 - 133	1	30
Endosulfan I	0.0080	U	0.159	0.229	*	mg/Kg	☼	144	69 - 133	3	30
Endosulfan II	0.0080	U	0.159	0.258	*	mg/Kg	☼	162	71 - 137	2	30
Endosulfan II	0.0080	U	0.159	0.253	*	mg/Kg	☼	159	71 - 137	1	30
Endosulfan sulfate	0.0080	U	0.159	0.237	*	mg/Kg	☼	149	61 - 140	2	30
Endosulfan sulfate	0.0080	U	0.159	0.231	*	mg/Kg	☼	145	61 - 140	2	30
Endrin	0.0080	U	0.159	0.244	*	mg/Kg	☼	153	67 - 141	1	30
Endrin	0.0080	U	0.159	0.249	*	mg/Kg	☼	157	67 - 141	0	30
Endrin aldehyde	0.0080	U	0.159	0.206		mg/Kg	☼	130	71 - 136	2	30
Endrin aldehyde	0.0080	U	0.159	0.197		mg/Kg	☼	124	71 - 136	2	30
Endrin ketone	0.0080	U	0.159	0.257	*	mg/Kg	☼	162	60 - 146	3	30
Endrin ketone	0.0080	U	0.159	0.244	*	mg/Kg	☼	153	60 - 146	3	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.236	*	mg/Kg	☼	148	72 - 139	0	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.218		mg/Kg	☼	137	72 - 139	2	30
Heptachlor	0.0080	U	0.159	0.234	*	mg/Kg	☼	147	74 - 138	1	30
Heptachlor	0.0080	U	0.159	0.235	*	mg/Kg	☼	148	74 - 138	0	30
Heptachlor epoxide	0.0080	U	0.159	0.234	*	mg/Kg	☼	147	72 - 134	2	30
Heptachlor epoxide	0.0080	U	0.159	0.220	*	mg/Kg	☼	138	72 - 134	0	30
Methoxychlor	0.0080	U	0.159	0.246	*	mg/Kg	☼	155	60 - 150	3	30
Methoxychlor	0.0080	U	0.159	0.218		mg/Kg	☼	137	60 - 150	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*17 - 150*
DCB Decachlorobiphenyl	*79*		*17 - 150*
Tetrachloro-m-xylene	*71*		*21 - 150*
Tetrachloro-m-xylene	*67*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1018102/1-A
Matrix: Solid
Analysis Batch: 1018251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/25/25 18:30	01/28/25 02:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 150*	*01/25/25 18:30*	*01/28/25 02:55*	*1*
DCB Decachlorobiphenyl	*82*		*20 - 150*	*01/25/25 18:30*	*01/28/25 02:55*	*1*
Tetrachloro-m-xylene	*82*		*20 - 150*	*01/25/25 18:30*	*01/28/25 02:55*	*1*
Tetrachloro-m-xylene	*81*		*20 - 150*	*01/25/25 18:30*	*01/28/25 02:55*	*1*

Lab Sample ID: LCS 460-1018102/2-A
Matrix: Solid
Analysis Batch: 1018251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018102

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.307		mg/Kg		92	54 - 136
Aroclor 1016	0.333	0.288		mg/Kg		86	54 - 136
Aroclor 1260	0.333	0.315		mg/Kg		95	53 - 145
Aroclor 1260	0.333	0.315		mg/Kg		95	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*20 - 150*
DCB Decachlorobiphenyl	*75*		*20 - 150*
Tetrachloro-m-xylene	*79*		*20 - 150*
Tetrachloro-m-xylene	*79*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1018102/3-A
Matrix: Solid
Analysis Batch: 1018251

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018102

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.321		mg/Kg		96	54 - 136	4	30
Aroclor 1016			0.333	0.293		mg/Kg		88	54 - 136	2	30
Aroclor 1260			0.333	0.334		mg/Kg		100	53 - 145	6	30
Aroclor 1260			0.333	0.324		mg/Kg		97	53 - 145	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*20 - 150*
DCB Decachlorobiphenyl	*79*		*20 - 150*
Tetrachloro-m-xylene	*82*		*20 - 150*
Tetrachloro-m-xylene	*81*		*20 - 150*

Lab Sample ID: 460-319175-E-5-D MS
Matrix: Solid
Analysis Batch: 1018343

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018102

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.080	U	0.397	0.465		mg/Kg	☼	117	54 - 136
Aroclor 1016	0.080	U	0.397	0.434		mg/Kg	☼	109	54 - 136
Aroclor 1260	0.080	U	0.397	0.481		mg/Kg	☼	121	53 - 145
Aroclor 1260	0.080	U	0.397	0.498		mg/Kg	☼	125	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*20 - 150*
DCB Decachlorobiphenyl	*82*		*20 - 150*
Tetrachloro-m-xylene	*75*		*20 - 150*
Tetrachloro-m-xylene	*73*		*20 - 150*

Lab Sample ID: 460-319175-E-5-E MSD
Matrix: Solid
Analysis Batch: 1018343

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018102

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.080	U	0.397	0.510		mg/Kg	☼	128	54 - 136	9	30
Aroclor 1016	0.080	U	0.397	0.483		mg/Kg	☼	122	54 - 136	11	30
Aroclor 1260	0.080	U	0.397	0.524		mg/Kg	☼	132	53 - 145	9	30
Aroclor 1260	0.080	U	0.397	0.532		mg/Kg	☼	134	53 - 145	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*20 - 150*
DCB Decachlorobiphenyl	*87*		*20 - 150*
Tetrachloro-m-xylene	*82*		*20 - 150*
Tetrachloro-m-xylene	*81*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-642605/1-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.10	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorotridecanoic acid (PFTrDA)	0.0577	J	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	U	2.00	0.50	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	U	2.00	0.50	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.40	U	0.40	0.10	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.40	U	0.40	0.10	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/27/25 08:17	01/27/25 18:21	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642605/1-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.40	U	0.40	0.10	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	U	1.00	0.25	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ug/Kg		01/27/25 08:17	01/27/25 18:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.40	U	0.40	0.10	ug/Kg		01/27/25 08:17	01/27/25 18:21	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C5 PFPeA	*107*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C5 PFHxA	*98.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C4 PFHpA	*96.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C8 PFOA	*95.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C9 PFNA	*101*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C6 PFDA	*85.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C7 PFUnA	*89.6*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C2 PFTeDA	*69.1*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C3 PFBS	*92.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C3 PFHxS	*104*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C8 PFOS	*83.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C8 FOSA	*114*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d3-NMeFOSAA	*117*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d5-NEtFOSAA	*121*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
M2-4:2 FTS	*124*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
M2-6:2 FTS	*129*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
M2-8:2 FTS	*159*	*	*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C3 HFPO-DA	*114*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d7-N-MeFOSE-M	*88.4*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d9-N-EtFOSE-M	*89.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d5-NEtPFOSA	*61.8*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
d3-NMePFOSA	*58.2*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*
13C2-PFDoDA	*76.7*		*20 - 150*	*01/27/25 08:17*	*01/27/25 18:21*	*1*

Lab Sample ID: LCS 240-642605/3-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10.0	10.16		ug/Kg		102	40 - 150
Perfluoropentanoic acid (PFPeA)	5.00	5.556		ug/Kg		111	40 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.561		ug/Kg		102	40 - 150
Perfluoroheptanoic acid (PFHpA)	2.50	2.867		ug/Kg		115	40 - 150
Perfluorooctanoic acid (PFOA)	2.50	2.638		ug/Kg		106	40 - 150
Perfluorononanoic acid (PFNA)	2.50	2.695		ug/Kg		108	40 - 150
Perfluorodecanoic acid (PFDA)	2.50	2.667		ug/Kg		107	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642605/3-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	2.50	2.637		ug/Kg		105	40 - 150
Perfluorododecanoic acid (PFDoA)	2.50	2.488		ug/Kg		100	40 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.965		ug/Kg		119	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.244		ug/Kg		90	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.467		ug/Kg		111	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.348		ug/Kg		100	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.229		ug/Kg		98	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.790		ug/Kg		117	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.33	2.734		ug/Kg		118	40 - 150
Perfluorononanesulfonic acid (PFNS)	2.41	3.013		ug/Kg		125	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	2.43	2.297		ug/Kg		95	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	9.38	10.08		ug/Kg		107	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.52	9.118		ug/Kg		96	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.60	10.17		ug/Kg		106	40 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.656		ug/Kg		106	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	3.234		ug/Kg		129	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.829		ug/Kg		113	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.738		ug/Kg		110	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.814		ug/Kg		113	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	25.0	23.37		ug/Kg		93	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	25.0	25.92		ug/Kg		104	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	10.0	10.38		ug/Kg		104	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.46	9.861		ug/Kg		104	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.00	5.253		ug/Kg		105	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.00	5.210		ug/Kg		104	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9.34	9.637		ug/Kg		103	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	9.44	8.870		ug/Kg		94	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.46	4.476		ug/Kg		100	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642605/3-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	12.5	12.14		ug/Kg		97	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	62.5	64.51		ug/Kg		103	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	62.5	64.34		ug/Kg		103	40 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	3.113		ug/Kg		129	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.00	4.932		ug/Kg		99	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*88.3*		*20 - 150*
13C5 PFPeA	*88.6*		*20 - 150*
13C5 PFHxA	*83.7*		*20 - 150*
13C4 PFHpA	*81.4*		*20 - 150*
13C8 PFOA	*87.0*		*20 - 150*
13C9 PFNA	*93.5*		*20 - 150*
13C6 PFDA	*80.4*		*20 - 150*
13C7 PFUnA	*89.7*		*20 - 150*
13C2 PFTeDA	*82.2*		*20 - 150*
13C3 PFBS	*83.7*		*20 - 150*
13C3 PFHxS	*91.4*		*20 - 150*
13C8 PFOS	*74.5*		*20 - 150*
13C8 FOSA	*105*		*20 - 150*
d3-NMeFOSAA	*104*		*20 - 150*
d5-NEtFOSAA	*127*		*20 - 150*
M2-4:2 FTS	*105*		*20 - 150*
M2-6:2 FTS	*111*		*20 - 150*
M2-8:2 FTS	*141*		*20 - 150*
13C3 HFPO-DA	*92.9*		*20 - 150*
d7-N-MeFOSE-M	*102*		*20 - 150*
d9-N-EtFOSE-M	*98.1*		*20 - 150*
d5-NEtPFOSA	*63.0*		*20 - 150*
d3-NMePFOSA	*58.5*		*20 - 150*
13C2-PFDoDA	*83.7*		*20 - 150*

Lab Sample ID: LLCS 240-642605/2-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.800	0.848		ug/Kg		106	40 - 150
Perfluoropentanoic acid (PFPeA)	0.400	0.445		ug/Kg		111	40 - 150
Perfluorohexanoic acid (PFHxA)	0.200	0.220		ug/Kg		110	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.200	0.214		ug/Kg		107	40 - 150
Perfluorooctanoic acid (PFOA)	0.200	0.210		ug/Kg		105	40 - 150
Perfluorononanoic acid (PFNA)	0.200	0.238		ug/Kg		119	40 - 150
Perfluorodecanoic acid (PFDA)	0.200	0.235		ug/Kg		118	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642605/2-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.200	0.235		ug/Kg		118	40 - 150
Perfluorododecanoic acid (PFDoA)	0.200	0.216		ug/Kg		108	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.200	0.331	*	ug/Kg		166	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.200	0.204		ug/Kg		102	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.178	0.220		ug/Kg		124	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.188	0.177	J	ug/Kg		94	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.197	J	ug/Kg		108	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.191	0.242		ug/Kg		127	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.186	0.243		ug/Kg		130	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.192	0.237		ug/Kg		123	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.168	J	ug/Kg		87	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.750	0.762	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.762	0.770	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.768	0.819		ug/Kg		107	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.200	0.212		ug/Kg		106	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.200	0.251		ug/Kg		125	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.200	0.229		ug/Kg		115	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.235		ug/Kg		118	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.222		ug/Kg		111	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	2.080		ug/Kg		104	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	2.248		ug/Kg		112	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.800	0.881		ug/Kg		110	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.757	0.810		ug/Kg		107	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.400	0.433		ug/Kg		108	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.432		ug/Kg		108	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.747	0.796	J	ug/Kg		107	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.755	0.734	J	ug/Kg		97	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.357	0.375	J	ug/Kg		105	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642605/2-A
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	0.902	J	ug/Kg		90	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	5.190		ug/Kg		104	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	5.313		ug/Kg		106	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.193	0.241		ug/Kg		125	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.400	0.412		ug/Kg		103	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*93.8*		*20 - 150*
13C5 PFPeA	*102*		*20 - 150*
13C5 PFHxA	*94.4*		*20 - 150*
13C4 PFHpA	*97.7*		*20 - 150*
13C8 PFOA	*98.4*		*20 - 150*
13C9 PFNA	*100*		*20 - 150*
13C6 PFDA	*90.5*		*20 - 150*
13C7 PFUnA	*96.2*		*20 - 150*
13C2 PFTeDA	*88.6*		*20 - 150*
13C3 PFBS	*90.4*		*20 - 150*
13C3 PFHxS	*104*		*20 - 150*
13C8 PFOS	*85.4*		*20 - 150*
13C8 FOSA	*123*		*20 - 150*
d3-NMeFOSAA	*134*		*20 - 150*
d5-NEtFOSAA	*146*		*20 - 150*
M2-4:2 FTS	*131*		*20 - 150*
M2-6:2 FTS	*128*		*20 - 150*
M2-8:2 FTS	*192*	*	*20 - 150*
13C3 HFPO-DA	*109*		*20 - 150*
d7-N-MeFOSE-M	*104*		*20 - 150*
d9-N-EtFOSE-M	*100*		*20 - 150*
d5-NEtPFOSA	*64.8*		*20 - 150*
d3-NMePFOSA	*63.7*		*20 - 150*
13C2-PFDoDA	*88.1*		*20 - 150*

Lab Sample ID: 460-319177-A-5-B MS
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.82	U	10.2	10.17		ug/Kg	☼	100	40 - 150
Perfluoropentanoic acid (PFPeA)	0.41	U	5.10	5.608		ug/Kg	☼	110	40 - 150
Perfluorohexanoic acid (PFHxA)	0.20	U	2.55	2.709		ug/Kg	☼	106	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.55	2.688		ug/Kg	☼	105	40 - 150
Perfluorooctanoic acid (PFOA)	0.20	U	2.55	2.722		ug/Kg	☼	107	40 - 150
Perfluorononanoic acid (PFNA)	0.20	U	2.55	2.702		ug/Kg	☼	106	40 - 150
Perfluorodecanoic acid (PFDA)	0.20	U	2.55	2.868		ug/Kg	☼	113	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319177-A-5-B MS
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.55	2.652		ug/Kg	☼	104	40 - 150
Perfluorododecanoic acid (PFDoA)	0.20	U	2.55	2.553		ug/Kg	☼	100	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.20	U *	2.55	3.050		ug/Kg	☼	120	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.55	2.404		ug/Kg	☼	94	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.26	2.646		ug/Kg	☼	117	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.40	2.423		ug/Kg	☼	101	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.32	2.270		ug/Kg	☼	98	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.43	2.922		ug/Kg	☼	120	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.37	2.774		ug/Kg	☼	117	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.45	2.857		ug/Kg	☼	117	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.47	2.181		ug/Kg	☼	88	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.82	U	9.56	9.977		ug/Kg	☼	104	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.82	U	9.71	9.621		ug/Kg	☼	99	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.82	U	9.79	9.942		ug/Kg	☼	102	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.55	2.622		ug/Kg	☼	103	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.55	3.016		ug/Kg	☼	118	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.55	2.687		ug/Kg	☼	105	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.55	2.723		ug/Kg	☼	107	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.55	2.799		ug/Kg	☼	110	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.04	U	25.5	25.27		ug/Kg	☼	99	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.04	U	25.5	25.16		ug/Kg	☼	99	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.82	U	10.2	10.59		ug/Kg	☼	104	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.82	U	9.65	10.11		ug/Kg	☼	105	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.41	U	5.10	4.949		ug/Kg	☼	97	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.41	U	5.10	5.203		ug/Kg	☼	102	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.82	U	9.52	9.011		ug/Kg	☼	95	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.82	U	9.62	8.860		ug/Kg	☼	92	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.41	U	4.55	4.418		ug/Kg	☼	97	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319177-A-5-B MS
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.02	U	12.7	11.95		ug/Kg	☼	94	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.10	U	63.7	63.97		ug/Kg	☼	100	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.10	U	63.7	63.92		ug/Kg	☼	100	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.46	2.949		ug/Kg	☼	120	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.41	U	5.10	4.967		ug/Kg	☼	97	40 - 150

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
13C4 PFBA	*93.0*		*20 - 150*
13C5 PFPeA	*99.8*		*20 - 150*
13C5 PFHxA	*93.4*		*20 - 150*
13C4 PFHpA	*96.0*		*20 - 150*
13C8 PFOA	*95.4*		*20 - 150*
13C9 PFNA	*99.1*		*20 - 150*
13C6 PFDA	*85.4*		*20 - 150*
13C7 PFUnA	*91.9*		*20 - 150*
13C2 PFTeDA	*79.7*		*20 - 150*
13C3 PFBS	*94.0*		*20 - 150*
13C3 PFHxS	*100*		*20 - 150*
13C8 PFOS	*86.6*		*20 - 150*
13C8 FOSA	*88.6*		*20 - 150*
d3-NMeFOSAA	*94.2*		*20 - 150*
d5-NEtFOSAA	*92.7*		*20 - 150*
M2-4:2 FTS	*107*		*20 - 150*
M2-6:2 FTS	*111*		*20 - 150*
M2-8:2 FTS	*108*		*20 - 150*
13C3 HFPO-DA	*106*		*20 - 150*
d7-N-MeFOSE-M	*82.4*		*20 - 150*
d9-N-EtFOSE-M	*88.5*		*20 - 150*
d5-NEtPFOSA	*77.6*		*20 - 150*
d3-NMePFOSA	*72.4*		*20 - 150*
13C2-PFDoDA	*76.2*		*20 - 150*

Lab Sample ID: 460-319177-A-5-C MSD
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.82	U	10.1	10.23		ug/Kg	☼	101	40 - 150	1	30
Perfluoropentanoic acid (PFPeA)	0.41	U	5.06	5.487		ug/Kg	☼	108	40 - 150	2	30
Perfluorohexanoic acid (PFHxA)	0.20	U	2.53	2.643		ug/Kg	☼	104	40 - 150	2	30
Perfluoroheptanoic acid (PFHpA)	0.20	U	2.53	2.863		ug/Kg	☼	113	40 - 150	6	30
Perfluorooctanoic acid (PFOA)	0.20	U	2.53	2.653		ug/Kg	☼	105	40 - 150	3	30
Perfluorononanoic acid (PFNA)	0.20	U	2.53	2.798		ug/Kg	☼	111	40 - 150	3	30
Perfluorodecanoic acid (PFDA)	0.20	U	2.53	2.730		ug/Kg	☼	108	40 - 150	5	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319177-A-5-C MSD
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.20	U	2.53	2.603		ug/Kg	☼	103	40 - 150	2	30
Perfluorododecanoic acid (PFDoA)	0.20	U	2.53	2.519		ug/Kg	☼	99	40 - 150	1	30
Perfluorotridecanoic acid (PFTrDA)	0.20	U *	2.53	3.005		ug/Kg	☼	119	40 - 150	1	30
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	2.53	2.189		ug/Kg	☼	86	40 - 150	9	30
Perfluorobutanesulfonic acid (PFBS)	0.20	U	2.25	2.613		ug/Kg	☼	116	40 - 150	1	30
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	2.38	2.320		ug/Kg	☼	97	40 - 150	4	30
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	2.31	2.238		ug/Kg	☼	97	40 - 150	1	30
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	2.42	2.878		ug/Kg	☼	119	40 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	0.20	U	2.35	2.827		ug/Kg	☼	120	40 - 150	2	30
Perfluorononanesulfonic acid (PFNS)	0.20	U	2.44	2.979		ug/Kg	☼	122	40 - 150	4	30
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	2.46	2.301		ug/Kg	☼	94	40 - 150	5	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.82	U	9.50	11.03		ug/Kg	☼	116	40 - 150	10	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.82	U	9.64	10.15		ug/Kg	☼	105	40 - 150	5	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.82	U	9.72	10.26		ug/Kg	☼	105	40 - 150	3	30
Perfluorooctanesulfonamide (PFOSA)	0.20	U	2.53	2.733		ug/Kg	☼	108	40 - 150	4	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	2.53	2.900		ug/Kg	☼	115	40 - 150	4	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	2.53	2.664		ug/Kg	☼	105	40 - 150	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	2.53	2.734		ug/Kg	☼	108	40 - 150	0	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	2.53	2.575		ug/Kg	☼	102	40 - 150	8	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.04	U	25.3	25.17		ug/Kg	☼	99	40 - 150	0	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.04	U	25.3	26.48		ug/Kg	☼	105	40 - 150	5	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.82	U	10.1	10.92		ug/Kg	☼	108	40 - 150	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.82	U	9.58	9.839		ug/Kg	☼	103	40 - 150	3	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.41	U	5.06	5.196		ug/Kg	☼	103	40 - 150	5	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.41	U	5.06	5.299		ug/Kg	☼	105	40 - 150	2	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.82	U	9.46	8.767		ug/Kg	☼	93	40 - 150	3	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.82	U	9.56	8.610		ug/Kg	☼	90	40 - 150	3	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.41	U	4.52	4.580		ug/Kg	☼	101	40 - 150	4	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319177-A-5-C MSD
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.02	U	12.7	11.66		ug/Kg	☼	92	40 - 150	2	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.10	U	63.3	64.72		ug/Kg	☼	102	40 - 150	1	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.10	U	63.3	65.39		ug/Kg	☼	103	40 - 150	2	30
Perfluorodecanesulfonic acid (PFDS)	0.20	U	2.44	3.050		ug/Kg	☼	125	40 - 150	3	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.41	U	5.06	4.832		ug/Kg	☼	95	40 - 150	3	30

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
13C4 PFBA	*88.0*		*20 - 150*
13C5 PFPeA	*92.1*		*20 - 150*
13C5 PFHxA	*83.3*		*20 - 150*
13C4 PFHpA	*84.7*		*20 - 150*
13C8 PFOA	*91.8*		*20 - 150*
13C9 PFNA	*90.1*		*20 - 150*
13C6 PFDA	*77.2*		*20 - 150*
13C7 PFUnA	*80.3*		*20 - 150*
13C2 PFTeDA	*65.6*		*20 - 150*
13C3 PFBS	*85.1*		*20 - 150*
13C3 PFHxS	*93.4*		*20 - 150*
13C8 PFOS	*76.2*		*20 - 150*
13C8 FOSA	*79.4*		*20 - 150*
d3-NMeFOSAA	*86.2*		*20 - 150*
d5-NEtFOSAA	*94.0*		*20 - 150*
M2-4:2 FTS	*95.8*		*20 - 150*
M2-6:2 FTS	*96.4*		*20 - 150*
M2-8:2 FTS	*100*		*20 - 150*
13C3 HFPO-DA	*96.9*		*20 - 150*
d7-N-MeFOSE-M	*74.6*		*20 - 150*
d9-N-EtFOSE-M	*76.2*		*20 - 150*
d5-NEtPFOSA	*71.6*		*20 - 150*
d3-NMePFOSA	*68.1*		*20 - 150*
13C2-PFDoDA	*64.6*		*20 - 150*

Lab Sample ID: 460-319240-20 DU
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: 12F_5-10
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.71	U	0.71	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.35	U	0.121	J	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.070	J	0.0904	J	ug/Kg	☼	25	30
Perfluoroheptanoic acid (PFHpA)	0.080	J	0.112	J	ug/Kg	☼	34	30
Perfluorooctanoic acid (PFOA)	0.11	J	0.184		ug/Kg	☼	51	30
Perfluorononanoic acid (PFNA)	0.16	J	0.257		ug/Kg	☼	45	30
Perfluorodecanoic acid (PFDA)	0.18	U	0.18	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319240-20 DU
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: 12F_5-10
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorotridecanoic acid (PFTrDA)	0.18	U *	0.18	U *	ug/Kg	☼	NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.71	U	0.71	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.71	U	0.71	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.71	U	0.71	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.76	U	1.76	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.76	U	1.76	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.71	U	0.71	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.71	U	0.71	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.35	U	0.35	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.35	U	0.35	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.71	U	0.71	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.71	U	0.71	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.35	U	0.35	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319240-20 DU
Matrix: Solid
Analysis Batch: 642714

Client Sample ID: 12F_5-10
Prep Type: Total/NA
Prep Batch: 642605

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.88	U	0.88	U	ug/Kg	☼	NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.41	U	4.41	U	ug/Kg	☼	NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.41	U	4.41	U	ug/Kg	☼	NC	30
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.35	U	0.35	U	ug/Kg	☼	NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*92.2*		*20 - 150*
13C5 PFPeA	*88.6*		*20 - 150*
13C5 PFHxA	*86.8*		*20 - 150*
13C4 PFHpA	*83.9*		*20 - 150*
13C8 PFOA	*94.4*		*20 - 150*
13C9 PFNA	*100*		*20 - 150*
13C6 PFDA	*84.8*		*20 - 150*
13C7 PFUnA	*89.5*		*20 - 150*
13C2 PFTeDA	*76.3*		*20 - 150*
13C3 PFBS	*95.3*		*20 - 150*
13C3 PFHxS	*102*		*20 - 150*
13C8 PFOS	*82.2*		*20 - 150*
13C8 FOSA	*84.8*		*20 - 150*
d3-NMeFOSAA	*93.0*		*20 - 150*
d5-NEtFOSAA	*87.1*		*20 - 150*
M2-4:2 FTS	*111*		*20 - 150*
M2-6:2 FTS	*123*		*20 - 150*
M2-8:2 FTS	*111*		*20 - 150*
13C3 HFPO-DA	*100*		*20 - 150*
d7-N-MeFOSE-M	*74.9*		*20 - 150*
d9-N-EtFOSE-M	*79.6*		*20 - 150*
d5-NEtPFOSA	*68.7*		*20 - 150*
d3-NMePFOSA	*66.6*		*20 - 150*
13C2-PFDoDA	*75.1*		*20 - 150*

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	U	2.00	0.50	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	U	2.00	0.50	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	U	1.00	0.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C5 PFPeA	*93.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C5 PFHxA	*91.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C4 PFHpA	*89.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C8 PFOA	*91.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C9 PFNA	*94.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C6 PFDA	*84.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C7 PFUnA	*85.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C2 PFTeDA	*60.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C3 PFBS	*93.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C3 PFHxS	*91.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C8 PFOS	*92.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C8 FOSA	*85.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d3-NMeFOSAA	*79.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d5-NEtFOSAA	*70.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
M2-4:2 FTS	*105*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
M2-6:2 FTS	*109*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
M2-8:2 FTS	*104*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C3 HFPO-DA	*87.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d7-N-MeFOSE-M	*78.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d9-N-EtFOSE-M	*75.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d5-NEtPFOSA	*62.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
d3-NMePFOSA	*69.3*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C2-PFDoDA	*69.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10.0	10.82		ug/Kg		108	40 - 150
Perfluoropentanoic acid (PFPeA)	5.00	5.578		ug/Kg		112	40 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.585		ug/Kg		103	40 - 150
Perfluoroheptanoic acid (PFHpA)	2.50	2.532		ug/Kg		101	40 - 150
Perfluorooctanoic acid (PFOA)	2.50	2.586		ug/Kg		103	40 - 150
Perfluorononanoic acid (PFNA)	2.50	2.584		ug/Kg		103	40 - 150
Perfluorodecanoic acid (PFDA)	2.50	2.617		ug/Kg		105	40 - 150
Perfluoroundecanoic acid (PFUnA)	2.50	2.725		ug/Kg		109	40 - 150
Perfluorododecanoic acid (PFDoA)	2.50	2.692		ug/Kg		108	40 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.816		ug/Kg		113	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.717		ug/Kg		109	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	2.22	2.272		ug/Kg		102	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.646		ug/Kg		113	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.483		ug/Kg		109	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.515		ug/Kg		105	40 - 150
Perfluorooctanesulfonic acid (PFOS)	2.33	2.333		ug/Kg		100	40 - 150
Perfluorononanesulfonic acid (PFNS)	2.41	2.413		ug/Kg		100	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.807		ug/Kg		75	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	9.38	8.750		ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.52	10.10		ug/Kg		106	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.60	10.16		ug/Kg		106	40 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.635		ug/Kg		105	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.839		ug/Kg		114	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.744		ug/Kg		110	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.813		ug/Kg		113	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.724		ug/Kg		109	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	25.0	26.45		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	25.0	25.91		ug/Kg		104	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	10.0	10.82		ug/Kg		108	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.46	10.47		ug/Kg		111	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.00	5.563		ug/Kg		111	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.00	5.628		ug/Kg		113	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9.34	10.22		ug/Kg		109	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	9.44	9.258		ug/Kg		98	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.46	4.733		ug/Kg		106	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	12.5	13.09		ug/Kg		105	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	62.5	62.64		ug/Kg		100	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	62.5	61.24		ug/Kg		98	40 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.381		ug/Kg		99	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			5.00	5.520		ug/Kg		110	40 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*89.8*		*20 - 150*
13C5 PFPeA	*88.3*		*20 - 150*
13C5 PFHxA	*89.5*		*20 - 150*
13C4 PFHpA	*92.3*		*20 - 150*
13C8 PFOA	*93.6*		*20 - 150*
13C9 PFNA	*89.3*		*20 - 150*
13C6 PFDA	*90.7*		*20 - 150*
13C7 PFUnA	*85.5*		*20 - 150*
13C2 PFTeDA	*64.8*		*20 - 150*
13C3 PFBS	*97.5*		*20 - 150*
13C3 PFHxS	*87.8*		*20 - 150*
13C8 PFOS	*91.2*		*20 - 150*
13C8 FOSA	*85.5*		*20 - 150*
d3-NMeFOSAA	*76.4*		*20 - 150*
d5-NEtFOSAA	*67.7*		*20 - 150*
M2-4:2 FTS	*107*		*20 - 150*
M2-6:2 FTS	*106*		*20 - 150*
M2-8:2 FTS	*99.4*		*20 - 150*
13C3 HFPO-DA	*88.8*		*20 - 150*
d7-N-MeFOSE-M	*74.2*		*20 - 150*
d9-N-EtFOSE-M	*72.6*		*20 - 150*
d5-NEtPFOSA	*60.9*		*20 - 150*
d3-NMePFOSA	*62.9*		*20 - 150*
13C2-PFDoDA	*74.9*		*20 - 150*

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.800	0.913		ug/Kg		114	40 - 150		
Perfluoropentanoic acid (PFPeA)			0.400	0.440		ug/Kg		110	40 - 150		
Perfluorohexanoic acid (PFHxA)			0.200	0.229		ug/Kg		115	40 - 150		
Perfluoroheptanoic acid (PFHpA)			0.200	0.212		ug/Kg		106	40 - 150		
Perfluorooctanoic acid (PFOA)			0.200	0.240		ug/Kg		120	40 - 150		
Perfluorononanoic acid (PFNA)			0.200	0.244		ug/Kg		122	40 - 150		
Perfluorodecanoic acid (PFDA)			0.200	0.212		ug/Kg		106	40 - 150		
Perfluoroundecanoic acid (PFUnA)			0.200	0.214		ug/Kg		107	40 - 150		
Perfluorododecanoic acid (PFDoA)			0.200	0.208		ug/Kg		104	40 - 150		
Perfluorotridecanoic acid (PFTrDA)			0.200	0.231		ug/Kg		116	40 - 150		
Perfluorotetradecanoic acid (PFTeDA)			0.200	0.216		ug/Kg		108	40 - 150		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	0.178	0.190	J	ug/Kg		107	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.188	0.212		ug/Kg		113	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.201		ug/Kg		110	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.191	0.207		ug/Kg		109	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.186	0.240		ug/Kg		129	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.192	0.201		ug/Kg		104	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.151	J	ug/Kg		78	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.750	0.749	J	ug/Kg		100	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.762	0.722	J	ug/Kg		95	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.768	0.876		ug/Kg		114	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.200	0.219		ug/Kg		109	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.200	0.223		ug/Kg		111	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.200	0.229		ug/Kg		114	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.245		ug/Kg		122	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.237		ug/Kg		118	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	2.109		ug/Kg		105	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	2.169		ug/Kg		108	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.800	0.804		ug/Kg		101	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.757	0.851		ug/Kg		112	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.400	0.446		ug/Kg		111	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.405		ug/Kg		101	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.747	0.794	J	ug/Kg		106	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.755	0.751	J	ug/Kg		99	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.357	0.399	J	ug/Kg		112	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	0.940	J	ug/Kg		94	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	5.268		ug/Kg		105	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	5.117		ug/Kg		102	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.193	0.197	J	ug/Kg		102	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			0.400	0.431		ug/Kg		108	40 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*91.8*		*20 - 150*
13C5 PFPeA	*98.7*		*20 - 150*
13C5 PFHxA	*93.2*		*20 - 150*
13C4 PFHpA	*99.0*		*20 - 150*
13C8 PFOA	*91.7*		*20 - 150*
13C9 PFNA	*91.2*		*20 - 150*
13C6 PFDA	*85.9*		*20 - 150*
13C7 PFUnA	*83.6*		*20 - 150*
13C2 PFTeDA	*58.7*		*20 - 150*
13C3 PFBS	*90.4*		*20 - 150*
13C3 PFHxS	*87.1*		*20 - 150*
13C8 PFOS	*87.3*		*20 - 150*
13C8 FOSA	*84.2*		*20 - 150*
d3-NMeFOSAA	*75.0*		*20 - 150*
d5-NEtFOSAA	*67.2*		*20 - 150*
M2-4:2 FTS	*99.8*		*20 - 150*
M2-6:2 FTS	*106*		*20 - 150*
M2-8:2 FTS	*91.6*		*20 - 150*
13C3 HFPO-DA	*98.4*		*20 - 150*
d7-N-MeFOSE-M	*73.2*		*20 - 150*
d9-N-EtFOSE-M	*68.7*		*20 - 150*
d5-NEtPFOSA	*59.4*		*20 - 150*
d3-NMePFOSA	*62.0*		*20 - 150*
13C2-PFDoDA	*74.4*		*20 - 150*

Lab Sample ID: 460-319288-B-1-B DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.74	U		0.74	U	ug/Kg	☼			NC	30
Perfluoropentanoic acid (PFPeA)	0.16	J		0.210	J	ug/Kg	☼			29	30
Perfluorohexanoic acid (PFHxA)	0.11	J		0.159	J	ug/Kg	☼			34	30
Perfluoroheptanoic acid (PFHpA)	0.24			0.341		ug/Kg	☼			34	30
Perfluorooctanoic acid (PFOA)	0.32			0.630	*	ug/Kg	☼			65	30
Perfluorononanoic acid (PFNA)	3.45			8.538	*	ug/Kg	☼			85	30
Perfluorodecanoic acid (PFDA)	0.76			1.207	*	ug/Kg	☼			45	30
Perfluoroundecanoic acid (PFUnA)	13.2			13.42		ug/Kg	☼			1	30
Perfluorododecanoic acid (PFDoA)	0.30			0.375		ug/Kg	☼			22	30
Perfluorotridecanoic acid (PFTrDA)	8.28			7.697		ug/Kg	☼			7	30
Perfluorotetradecanoic acid (PFTeDA)	0.12	J		0.143	J	ug/Kg	☼			21	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319288-B-1-B DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.049	J	0.228		ug/Kg	☼	129	30
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.74	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.74	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.09		1.428		ug/Kg	☼	38	30
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.85	U	1.85	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.85	U	1.85	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.74	U	0.74	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.74	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.74	U	0.74	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.74	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	U	ug/Kg	☼	NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.62	U	4.62	U	ug/Kg	☼	NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.62	U	4.62	U	ug/Kg	☼	NC	30
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319288-B-1-B DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U		0.37	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*92.4*		*20 - 150*
13C5 PFPeA	*94.6*		*20 - 150*
13C5 PFHxA	*96.8*		*20 - 150*
13C4 PFHpA	*95.7*		*20 - 150*
13C8 PFOA	*91.2*		*20 - 150*
13C9 PFNA	*90.8*		*20 - 150*
13C6 PFDA	*88.4*		*20 - 150*
13C7 PFUnA	*90.3*		*20 - 150*
13C2 PFTeDA	*76.7*		*20 - 150*
13C3 PFBS	*91.4*		*20 - 150*
13C3 PFHxS	*88.1*		*20 - 150*
13C8 PFOS	*89.0*		*20 - 150*
13C8 FOSA	*85.5*		*20 - 150*
d3-NMeFOSAA	*79.4*		*20 - 150*
d5-NEtFOSAA	*101*		*20 - 150*
M2-4:2 FTS	*103*		*20 - 150*
M2-6:2 FTS	*109*		*20 - 150*
M2-8:2 FTS	*112*		*20 - 150*
13C3 HFPO-DA	*96.5*		*20 - 150*
d7-N-MeFOSE-M	*73.6*		*20 - 150*
d9-N-EtFOSE-M	*69.4*		*20 - 150*
d5-NEtPFOSA	*69.5*		*20 - 150*
d3-NMePFOSA	*72.5*		*20 - 150*
13C2-PFDoDA	*87.7*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1018500/1-A
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Antimony	1.0	U	1.0	0.15	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Barium	2.0	U	2.0	0.15	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Calcium	100	U	100	40.7	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Chromium	2.0	U	2.0	0.91	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Copper	2.0	U	2.0	0.37	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Iron	60.0	U	60.0	20.2	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Lead	0.60	U	0.60	0.20	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Magnesium	100	U	100	10.2	mg/Kg		01/29/25 06:04	01/29/25 13:20	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1018500/1-A
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	4.0	U	4.0	0.40	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Nickel	2.0	U	2.0	0.47	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Potassium	100	U	100	16.2	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Selenium	1.3	U	1.3	0.13	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Silver	0.40	U	0.40	0.089	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Sodium	100	U	100	45.7	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Thallium	0.40	U	0.40	0.041	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		01/29/25 06:04	01/29/25 13:20	1
Zinc	8.0	U	8.0	3.1	mg/Kg		01/29/25 06:04	01/29/25 13:20	1

Lab Sample ID: LCSSRM 460-1018500/2-A ^3
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5940	5033		mg/Kg		84.7	46.1 - 153.9
Antimony	121	70.22		mg/Kg		58.0	0.1 - 200.8
Arsenic	242	254.0		mg/Kg		104.9	81.8 - 118.6
Barium	295	302.9		mg/Kg		102.7	81.7 - 118.3
Beryllium	160	163.8		mg/Kg		102.4	82.5 - 117.5
Cadmium	84.3	85.49		mg/Kg		101.4	82.2 - 117.8
Calcium	5270	5167		mg/Kg		98.0	82.5 - 117.5
Chromium	213	218.8		mg/Kg		102.7	81.2 - 119.2
Cobalt	137	145.3		mg/Kg		106.1	83.2 - 117.5
Copper	195	208.1		mg/Kg		106.7	83.1 - 116.9
Iron	6650	6091		mg/Kg		91.6	58.6 - 141.5
Lead	194	198.8		mg/Kg		102.5	82.0 - 118.6
Magnesium	1860	1733		mg/Kg		93.2	75.3 - 124.2
Manganese	264	253.6		mg/Kg		96.1	80.7 - 118.9
Nickel	298	311.4		mg/Kg		104.5	82.2 - 117.8
Potassium	2010	1926		mg/Kg		95.8	70.6 - 129.4
Selenium	272	284.5		mg/Kg		104.6	80.1 - 119.5
Silver	76.7	79.10		mg/Kg		103.1	79.5 - 120.5
Sodium	406	459.8		mg/Kg		113.3	74.9 - 124.9

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1018500/2-A ^3
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	108	116.6		mg/Kg		108.0	80.0 - 119.4
Vanadium	169	174.8		mg/Kg		103.5	78.1 - 122.5
Zinc	236	238.1		mg/Kg		100.9	80.1 - 120.3

Lab Sample ID: 460-319319-A-1-C MS
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	16200		557	18840	4	mg/Kg	☼	472	75 - 125
Antimony	0.22	J	5.57	1.60	N	mg/Kg	☼	25	75 - 125
Arsenic	7.5		11.1	17.84		mg/Kg	☼	93	75 - 125
Barium	85.8		11.1	94.16	4	mg/Kg	☼	75	75 - 125
Beryllium	0.82		5.57	5.64		mg/Kg	☼	86	75 - 125
Cadmium	0.24	J	5.57	4.97		mg/Kg	☼	85	75 - 125
Calcium	4020		557	3977	4	mg/Kg	☼	-8	75 - 125
Chromium	19.1		11.1	31.39		mg/Kg	☼	110	75 - 125
Cobalt	7.7		5.57	12.96		mg/Kg	☼	95	75 - 125
Copper	14.9		11.1	25.39		mg/Kg	☼	94	75 - 125
Iron	22800		557	24270	4	mg/Kg	☼	270	75 - 125
Lead	22.2		5.57	27.29		mg/Kg	☼	92	75 - 125
Magnesium	2260		557	2708	4	mg/Kg	☼	81	75 - 125
Manganese	784		55.7	830.5	4	mg/Kg	☼	84	75 - 125
Nickel	11.5		11.1	22.01		mg/Kg	☼	94	75 - 125
Potassium	764		557	1198		mg/Kg	☼	78	75 - 125
Selenium	0.51	J	11.1	9.22		mg/Kg	☼	78	75 - 125
Silver	0.45	U	5.57	4.86		mg/Kg	☼	87	75 - 125
Sodium	111	U	557	498.4		mg/Kg	☼	89	75 - 125
Thallium	0.19	J	4.46	4.02		mg/Kg	☼	86	75 - 125
Vanadium	34.1		11.1	46.28		mg/Kg	☼	110	75 - 125
Zinc	67.0		55.7	117.7		mg/Kg	☼	91	75 - 125

Lab Sample ID: 460-319319-A-1-B DU
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	16200		16620		mg/Kg	☼	3	20
Antimony	0.22	J	0.236	J	mg/Kg	☼	8	20
Arsenic	7.5		8.49		mg/Kg	☼	12	20
Barium	85.8		89.61		mg/Kg	☼	4	20
Beryllium	0.82		0.856		mg/Kg	☼	4	20
Cadmium	0.24	J	0.274	J	mg/Kg	☼	14	20
Calcium	4020		3875		mg/Kg	☼	4	20
Chromium	19.1		22.28		mg/Kg	☼	15	20
Cobalt	7.7		8.22		mg/Kg	☼	7	20
Copper	14.9		15.19		mg/Kg	☼	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319319-A-1-B DU
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018500

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	22800		24610		mg/Kg	☼	8	20
Lead	22.2		23.59		mg/Kg	☼	6	20
Magnesium	2260		2088		mg/Kg	☼	8	20
Manganese	784		811.7		mg/Kg	☼	3	20
Nickel	11.5		11.57		mg/Kg	☼	0.5	20
Potassium	764		739.3		mg/Kg	☼	3	20
Selenium	0.51	J	0.545	J	mg/Kg	☼	7	20
Silver	0.45	U	0.45	U	mg/Kg	☼	NC	20
Sodium	111	U	111	U	mg/Kg	☼	NC	20
Thallium	0.19	J	0.206	J	mg/Kg	☼	9	20
Vanadium	34.1		36.31		mg/Kg	☼	6	20
Zinc	67.0		69.69		mg/Kg	☼	4	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1018162/1-A
Matrix: Solid
Analysis Batch: 1018211

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		01/27/25 01:29	01/27/25 06:10	1

Lab Sample ID: LCSSRM 460-1018162/2-A ^40
Matrix: Solid
Analysis Batch: 1018211

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018162

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	24.14		mg/Kg		105.9	70.6 - 129.4

Lab Sample ID: 460-319229-H-4-E MS
Matrix: Solid
Analysis Batch: 1018211

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018162

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0083	J	0.0756	0.0894		mg/Kg	☼	107	80 - 120

Lab Sample ID: 460-319229-H-4-D DU
Matrix: Solid
Analysis Batch: 1018211

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018162

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0083	J	0.0102	J	mg/Kg	☼	21	20

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319240-9 DU
Matrix: Solid
Analysis Batch: 1018207

Client Sample ID: 12C1_3-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.6			12.7		%				18	20
Percent Solids	89.4			87.3		%				2	20

Lab Sample ID: 460-319017-A-24 DU
Matrix: Solid
Analysis Batch: 1018270

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	14.6			16.8		%				14	20
Percent Solids	85.4			83.2		%				3	20

Lab Sample ID: 460-319240-19 DU
Matrix: Solid
Analysis Batch: 642864

Client Sample ID: 12F_0-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	86.1			86.3		%				0.1	20
Percent Moisture	13.9			13.7		%				0.9	20

Lab Sample ID: 460-319288-B-7 DU
Matrix: Solid
Analysis Batch: 642927

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	91.1			90.6		%				0.5	20
Percent Moisture	8.9			9.4		%				5	20

GC/MS VOA

Prep Batch: 1018035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-4	12E3_9-10	Total/NA	Solid	5035	

Prep Batch: 1018036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-1	12B2_6-7	Total/NA	Solid	5035	
460-319240-2	12E2_4-5	Total/NA	Solid	5035	
460-319240-3	12F2_6-7	Total/NA	Solid	5035	
460-319240-5	12F2_4-5	Total/NA	Solid	5035	
460-319240-6	12B1_4-5	Total/NA	Solid	5035	
460-319240-7	12C3_8-9	Total/NA	Solid	5035	
460-319240-8	12D1_7-8	Total/NA	Solid	5035	
460-319240-9	12C1_3-4	Total/NA	Solid	5035	
460-319240-10	12D2_4-5	Total/NA	Solid	5035	

Analysis Batch: 1018420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-1	12B2_6-7	Total/NA	Solid	8260D	1018036
460-319240-2	12E2_4-5	Total/NA	Solid	8260D	1018036
460-319240-3	12F2_6-7	Total/NA	Solid	8260D	1018036
460-319240-6	12B1_4-5	Total/NA	Solid	8260D	1018036
460-319240-7	12C3_8-9	Total/NA	Solid	8260D	1018036
460-319240-8	12D1_7-8	Total/NA	Solid	8260D	1018036
460-319240-9	12C1_3-4	Total/NA	Solid	8260D	1018036
460-319240-10	12D2_4-5	Total/NA	Solid	8260D	1018036
MB 460-1018420/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018420/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018420/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1018518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-5	12F2_4-5	Total/NA	Solid	8260D	1018036
MB 460-1018518/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018518/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018518/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1018531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-4	12E3_9-10	Total/NA	Solid	8260D	1018035
MB 460-1018531/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018531/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018531/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1019260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-21	Trip Blank	Total/NA	Water	8260D	
MB 460-1019260/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1019260/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1019260/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 1018226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-14	12C_5-10	Total/NA	Solid	3546	
460-319240-15	12D_0-5	Total/NA	Solid	3546	
460-319240-16	12D_5-10	Total/NA	Solid	3546	
460-319240-17	12E_0-5	Total/NA	Solid	3546	
460-319240-18	12E_5-10	Total/NA	Solid	3546	
460-319240-20	12F_5-10	Total/NA	Solid	3546	
MB 460-1018226/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018226/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018226/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Prep Batch: 1018240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	3546	
460-319240-12	12B_5-10	Total/NA	Solid	3546	
460-319240-13	12C_0-5	Total/NA	Solid	3546	
MB 460-1018240/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018240/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018240/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319229-H-4-G MS	Matrix Spike	Total/NA	Solid	3546	
460-319229-H-4-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	8270E	1018240
460-319240-12	12B_5-10	Total/NA	Solid	8270E	1018240
460-319240-13	12C_0-5	Total/NA	Solid	8270E	1018240
MB 460-1018240/1-A	Method Blank	Total/NA	Solid	8270E	1018240
LCS 460-1018240/2-A	Lab Control Sample	Total/NA	Solid	8270E	1018240
LCSD 460-1018240/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1018240
460-319229-H-4-G MS	Matrix Spike	Total/NA	Solid	8270E	1018240
460-319229-H-4-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1018240

Analysis Batch: 1018329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-14	12C_5-10	Total/NA	Solid	8270E	1018226
460-319240-15	12D_0-5	Total/NA	Solid	8270E	1018226
460-319240-16	12D_5-10	Total/NA	Solid	8270E	1018226
460-319240-17	12E_0-5	Total/NA	Solid	8270E	1018226
460-319240-18	12E_5-10	Total/NA	Solid	8270E	1018226
460-319240-20	12F_5-10	Total/NA	Solid	8270E	1018226
MB 460-1018226/1-A	Method Blank	Total/NA	Solid	8270E	1018226
LCS 460-1018226/2-A	Lab Control Sample	Total/NA	Solid	8270E	1018226
LCSD 460-1018226/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1018226

GC Semi VOA

Prep Batch: 1018102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	3546	
460-319240-12	12B_5-10	Total/NA	Solid	3546	
460-319240-13	12C_0-5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1018102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-14	12C_5-10	Total/NA	Solid	3546	
460-319240-15	12D_0-5	Total/NA	Solid	3546	
460-319240-16	12D_5-10	Total/NA	Solid	3546	
460-319240-17	12E_0-5	Total/NA	Solid	3546	
460-319240-18	12E_5-10	Total/NA	Solid	3546	
460-319240-20	12F_5-10	Total/NA	Solid	3546	
MB 460-1018102/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018102/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018102/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319175-E-5-D MS	Matrix Spike	Total/NA	Solid	3546	
460-319175-E-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1018103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	3546	
460-319240-12	12B_5-10	Total/NA	Solid	3546	
460-319240-13	12C_0-5	Total/NA	Solid	3546	
460-319240-14	12C_5-10	Total/NA	Solid	3546	
460-319240-15	12D_0-5	Total/NA	Solid	3546	
460-319240-16	12D_5-10	Total/NA	Solid	3546	
460-319240-17	12E_0-5	Total/NA	Solid	3546	
460-319240-18	12E_5-10	Total/NA	Solid	3546	
460-319240-20	12F_5-10	Total/NA	Solid	3546	
MB 460-1018103/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018103/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018103/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319175-E-5-G MS	Matrix Spike	Total/NA	Solid	3546	
460-319175-E-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1018103/1-A	Method Blank	Total/NA	Solid	8081B	1018103
LCS 460-1018103/2-A	Lab Control Sample	Total/NA	Solid	8081B	1018103
LCSD 460-1018103/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1018103
460-319175-E-5-G MS	Matrix Spike	Total/NA	Solid	8081B	1018103
460-319175-E-5-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1018103

Analysis Batch: 1018172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	8081B	1018103
460-319240-12	12B_5-10	Total/NA	Solid	8081B	1018103
460-319240-13	12C_0-5	Total/NA	Solid	8081B	1018103
460-319240-14	12C_5-10	Total/NA	Solid	8081B	1018103
460-319240-15	12D_0-5	Total/NA	Solid	8081B	1018103
460-319240-16	12D_5-10	Total/NA	Solid	8081B	1018103
460-319240-17	12E_0-5	Total/NA	Solid	8081B	1018103
460-319240-18	12E_5-10	Total/NA	Solid	8081B	1018103
460-319240-20	12F_5-10	Total/NA	Solid	8081B	1018103

GC Semi VOA

Analysis Batch: 1018251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	8082A	1018102
460-319240-12	12B_5-10	Total/NA	Solid	8082A	1018102
460-319240-13	12C_0-5	Total/NA	Solid	8082A	1018102
460-319240-14	12C_5-10	Total/NA	Solid	8082A	1018102
460-319240-15	12D_0-5	Total/NA	Solid	8082A	1018102
460-319240-16	12D_5-10	Total/NA	Solid	8082A	1018102
MB 460-1018102/1-A	Method Blank	Total/NA	Solid	8082A	1018102
LCS 460-1018102/2-A	Lab Control Sample	Total/NA	Solid	8082A	1018102
LCSD 460-1018102/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1018102

Analysis Batch: 1018343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-17	12E_0-5	Total/NA	Solid	8082A	1018102
460-319240-18	12E_5-10	Total/NA	Solid	8082A	1018102
460-319240-20	12F_5-10	Total/NA	Solid	8082A	1018102
460-319175-E-5-D MS	Matrix Spike	Total/NA	Solid	8082A	1018102
460-319175-E-5-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1018102

LCMS

Prep Batch: 642605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	1633 Shake	
460-319240-12	12B_5-10	Total/NA	Solid	1633 Shake	
460-319240-13	12C_0-5	Total/NA	Solid	1633 Shake	
460-319240-14	12C_5-10	Total/NA	Solid	1633 Shake	
460-319240-15	12D_0-5	Total/NA	Solid	1633 Shake	
460-319240-16	12D_5-10	Total/NA	Solid	1633 Shake	
460-319240-17	12E_0-5	Total/NA	Solid	1633 Shake	
460-319240-18	12E_5-10	Total/NA	Solid	1633 Shake	
460-319240-19	12F_0-5	Total/NA	Solid	1633 Shake	
460-319240-20	12F_5-10	Total/NA	Solid	1633 Shake	
MB 240-642605/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-642605/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-642605/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-319177-A-5-B MS	Matrix Spike	Total/NA	Solid	1633 Shake	
460-319177-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	1633 Shake	
460-319240-20 DU	12F_5-10	Total/NA	Solid	1633 Shake	

Analysis Batch: 642714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	1633	642605
460-319240-12	12B_5-10	Total/NA	Solid	1633	642605
460-319240-13	12C_0-5	Total/NA	Solid	1633	642605
460-319240-14	12C_5-10	Total/NA	Solid	1633	642605
460-319240-15	12D_0-5	Total/NA	Solid	1633	642605
460-319240-16	12D_5-10	Total/NA	Solid	1633	642605
460-319240-17	12E_0-5	Total/NA	Solid	1633	642605
460-319240-18	12E_5-10	Total/NA	Solid	1633	642605
460-319240-19	12F_0-5	Total/NA	Solid	1633	642605
460-319240-20	12F_5-10	Total/NA	Solid	1633	642605

LCMS (Continued)

Analysis Batch: 642714 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-642605/1-A	Method Blank	Total/NA	Solid	1633	642605
LCS 240-642605/3-A	Lab Control Sample	Total/NA	Solid	1633	642605
LLCS 240-642605/2-A	Lab Control Sample	Total/NA	Solid	1633	642605
460-319177-A-5-B MS	Matrix Spike	Total/NA	Solid	1633	642605
460-319177-A-5-C MSD	Matrix Spike Duplicate	Total/NA	Solid	1633	642605
460-319240-20 DU	12F_5-10	Total/NA	Solid	1633	642605

Prep Batch: 642896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	1633 Shake	
460-319240-12	12B_5-10	Total/NA	Solid	1633 Shake	
460-319240-15	12D_0-5	Total/NA	Solid	1633 Shake	
MB 240-642896/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-642896/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-642896/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-319288-B-1-B DU	Duplicate	Total/NA	Solid	1633 Shake	

Analysis Batch: 642963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	1633	642896
460-319240-12	12B_5-10	Total/NA	Solid	1633	642896
460-319240-15	12D_0-5	Total/NA	Solid	1633	642896
MB 240-642896/1-A	Method Blank	Total/NA	Solid	1633	642896
LCS 240-642896/3-A	Lab Control Sample	Total/NA	Solid	1633	642896
LLCS 240-642896/2-A	Lab Control Sample	Total/NA	Solid	1633	642896
460-319288-B-1-B DU	Duplicate	Total/NA	Solid	1633	642896

Metals

Prep Batch: 1018162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	7471B	
460-319240-12	12B_5-10	Total/NA	Solid	7471B	
460-319240-13	12C_0-5	Total/NA	Solid	7471B	
460-319240-14	12C_5-10	Total/NA	Solid	7471B	
460-319240-15	12D_0-5	Total/NA	Solid	7471B	
460-319240-16	12D_5-10	Total/NA	Solid	7471B	
460-319240-17	12E_0-5	Total/NA	Solid	7471B	
460-319240-18	12E_5-10	Total/NA	Solid	7471B	
460-319240-20	12F_5-10	Total/NA	Solid	7471B	
MB 460-1018162/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1018162/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-319229-H-4-E MS	Matrix Spike	Total/NA	Solid	7471B	
460-319229-H-4-D DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1018211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	7471B	1018162
460-319240-12	12B_5-10	Total/NA	Solid	7471B	1018162
460-319240-13	12C_0-5	Total/NA	Solid	7471B	1018162
460-319240-14	12C_5-10	Total/NA	Solid	7471B	1018162

Metals (Continued)

Analysis Batch: 1018211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-15	12D_0-5	Total/NA	Solid	7471B	1018162
460-319240-16	12D_5-10	Total/NA	Solid	7471B	1018162
460-319240-17	12E_0-5	Total/NA	Solid	7471B	1018162
460-319240-18	12E_5-10	Total/NA	Solid	7471B	1018162
460-319240-20	12F_5-10	Total/NA	Solid	7471B	1018162
MB 460-1018162/1-A	Method Blank	Total/NA	Solid	7471B	1018162
LCSSRM 460-1018162/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1018162
460-319229-H-4-E MS	Matrix Spike	Total/NA	Solid	7471B	1018162
460-319229-H-4-D DU	Duplicate	Total/NA	Solid	7471B	1018162

Prep Batch: 1018500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	3050B	
460-319240-12	12B_5-10	Total/NA	Solid	3050B	
460-319240-13	12C_0-5	Total/NA	Solid	3050B	
460-319240-14	12C_5-10	Total/NA	Solid	3050B	
460-319240-15	12D_0-5	Total/NA	Solid	3050B	
460-319240-16	12D_5-10	Total/NA	Solid	3050B	
460-319240-17	12E_0-5	Total/NA	Solid	3050B	
460-319240-18	12E_5-10	Total/NA	Solid	3050B	
460-319240-20	12F_5-10	Total/NA	Solid	3050B	
MB 460-1018500/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1018500/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-319319-A-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-319319-A-1-B DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1018609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	6020B	1018500
460-319240-12	12B_5-10	Total/NA	Solid	6020B	1018500
460-319240-13	12C_0-5	Total/NA	Solid	6020B	1018500
460-319240-14	12C_5-10	Total/NA	Solid	6020B	1018500
460-319240-15	12D_0-5	Total/NA	Solid	6020B	1018500
460-319240-16	12D_5-10	Total/NA	Solid	6020B	1018500
460-319240-17	12E_0-5	Total/NA	Solid	6020B	1018500
460-319240-18	12E_5-10	Total/NA	Solid	6020B	1018500
460-319240-20	12F_5-10	Total/NA	Solid	6020B	1018500
MB 460-1018500/1-A	Method Blank	Total/NA	Solid	6020B	1018500
LCSSRM 460-1018500/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1018500
460-319319-A-1-C MS	Matrix Spike	Total/NA	Solid	6020B	1018500
460-319319-A-1-B DU	Duplicate	Total/NA	Solid	6020B	1018500

General Chemistry

Analysis Batch: 642864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-19	12F_0-5	Total/NA	Solid	Moisture	
460-319240-19 DU	12F_0-5	Total/NA	Solid	Moisture	

General Chemistry

Analysis Batch: 642927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-B-7 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 1018207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-1	12B2_6-7	Total/NA	Solid	Moisture	
460-319240-2	12E2_4-5	Total/NA	Solid	Moisture	
460-319240-3	12F2_6-7	Total/NA	Solid	Moisture	
460-319240-4	12E3_9-10	Total/NA	Solid	Moisture	
460-319240-5	12F2_4-5	Total/NA	Solid	Moisture	
460-319240-6	12B1_4-5	Total/NA	Solid	Moisture	
460-319240-7	12C3_8-9	Total/NA	Solid	Moisture	
460-319240-8	12D1_7-8	Total/NA	Solid	Moisture	
460-319240-9	12C1_3-4	Total/NA	Solid	Moisture	
460-319240-10	12D2_4-5	Total/NA	Solid	Moisture	
460-319258-A-7 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319258-A-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319240-9 DU	12C1_3-4	Total/NA	Solid	Moisture	

Analysis Batch: 1018270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319240-11	12B_0-5	Total/NA	Solid	Moisture	
460-319240-12	12B_5-10	Total/NA	Solid	Moisture	
460-319240-13	12C_0-5	Total/NA	Solid	Moisture	
460-319240-14	12C_5-10	Total/NA	Solid	Moisture	
460-319240-15	12D_0-5	Total/NA	Solid	Moisture	
460-319240-16	12D_5-10	Total/NA	Solid	Moisture	
460-319240-17	12E_0-5	Total/NA	Solid	Moisture	
460-319240-18	12E_5-10	Total/NA	Solid	Moisture	
460-319240-20	12F_5-10	Total/NA	Solid	Moisture	
460-319017-A-24 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12B2_6-7 — **Lab Sample ID: 460-319240-1**
Date Collected: 01/23/25 14:10 — **Matrix: Solid**
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12B2_6-7 — **Lab Sample ID: 460-319240-1**
Date Collected: 01/23/25 14:10 — **Matrix: Solid**
Date Received: 01/23/25 19:11 — **Percent Solids: 91.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:05
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/28/25 22:53

Client Sample ID: 12E2_4-5 — **Lab Sample ID: 460-319240-2**
Date Collected: 01/23/25 10:55 — **Matrix: Solid**
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12E2_4-5 — **Lab Sample ID: 460-319240-2**
Date Collected: 01/23/25 10:55 — **Matrix: Solid**
Date Received: 01/23/25 19:11 — **Percent Solids: 93.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:05
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/28/25 23:18

Client Sample ID: 12F2_6-7 — **Lab Sample ID: 460-319240-3**
Date Collected: 01/23/25 10:35 — **Matrix: Solid**
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12F2_6-7 — **Lab Sample ID: 460-319240-3**
Date Collected: 01/23/25 10:35 — **Matrix: Solid**
Date Received: 01/23/25 19:11 — **Percent Solids: 95.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:06
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/28/25 23:43

Client Sample ID: 12E3_9-10 — **Lab Sample ID: 460-319240-4**
Date Collected: 01/23/25 11:00 — **Matrix: Solid**
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12E3_9-10
Date Collected: 01/23/25 11:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-4
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018035	YXG	EET EDI	01/24/25 21:03
Total/NA	Analysis	8260D		50	1018531	MZS	EET EDI	01/29/25 14:24

Client Sample ID: 12F2_4-5
Date Collected: 01/23/25 10:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12F2_4-5
Date Collected: 01/23/25 10:25
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-5
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:06
Total/NA	Analysis	8260D		1	1018518	EMM	EET EDI	01/29/25 12:26

Client Sample ID: 12B1_4-5
Date Collected: 01/23/25 14:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12B1_4-5
Date Collected: 01/23/25 14:00
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-6
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:07
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/29/25 02:36

Client Sample ID: 12C3_8-9
Date Collected: 01/23/25 13:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12C3_8-9
Date Collected: 01/23/25 13:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-7
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:07
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/29/25 00:57

Client Sample ID: 12D1_7-8
Date Collected: 01/23/25 12:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12D1_7-8
Date Collected: 01/23/25 12:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-8
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:07
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/29/25 01:22

Client Sample ID: 12C1_3-4
Date Collected: 01/23/25 12:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12C1_3-4
Date Collected: 01/23/25 12:35
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-9
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:08
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/29/25 01:47

Client Sample ID: 12D2_4-5
Date Collected: 01/23/25 11:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12D2_4-5
Date Collected: 01/23/25 11:55
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-10
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018036	YXG	EET EDI	01/24/25 21:08
Total/NA	Analysis	8260D		1	1018420	VBP	EET EDI	01/29/25 02:12

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12B_0-5
Date Collected: 01/23/25 13:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-11
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018240	OTS	EET EDI	01/27/25 11:40
Total/NA	Analysis	8270E		1	1018311	MDJ	EET EDI	01/28/25 09:39
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 11:02
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 04:35
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 21:40
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 20:07
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:22
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:35

Client Sample ID: 12B_5-10
Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12B_5-10
Date Collected: 01/23/25 14:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-12
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018240	OTS	EET EDI	01/27/25 11:40
Total/NA	Analysis	8270E		1	1018311	MDJ	EET EDI	01/28/25 08:23
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 11:18

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12B_5-10

Lab Sample ID: 460-319240-12
Date Collected: 01/23/25 14:05
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 04:52
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 21:56
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 20:23
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:24
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:37

Client Sample ID: 12C_0-5

Lab Sample ID: 460-319240-13
Date Collected: 01/23/25 12:25
Matrix: Solid
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12C_0-5

Lab Sample ID: 460-319240-13
Date Collected: 01/23/25 12:25
Matrix: Solid
Date Received: 01/23/25 19:11
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018240	OTS	EET EDI	01/27/25 11:40
Total/NA	Analysis	8270E		1	1018311	MDJ	EET EDI	01/28/25 08:42
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 11:34
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 05:08
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 22:13
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:27
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:39

Client Sample ID: 12C_5-10

Lab Sample ID: 460-319240-14
Date Collected: 01/23/25 12:45
Matrix: Solid
Date Received: 01/23/25 19:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12C_5-10

Date Collected: 01/23/25 12:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-14

Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 08:32
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 11:50
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 05:25
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 22:30
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:29
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:40

Client Sample ID: 12D_0-5

Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12D_0-5

Date Collected: 01/23/25 11:50
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-15

Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 08:55
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 12:06
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 05:42
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 22:46
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 20:40
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:32
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:42

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12D_5-10
Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12D_5-10
Date Collected: 01/23/25 12:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-16
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 11:31
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 12:22
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018251	AAA	EET EDI	01/28/25 05:58
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 23:03
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:35
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:44

Client Sample ID: 12E_0-5
Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12E_0-5
Date Collected: 01/23/25 10:45
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-17
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 12:16
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 12:37
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018343	AAA	EET EDI	01/28/25 07:55
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/27/25 23:19
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:37
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:50

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12E_5-10
Date Collected: 01/23/25 11:05
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-18
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 09:17
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 12:53
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018343	AAA	EET EDI	01/28/25 08:12
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/28/25 00:09
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:40
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:51

Client Sample ID: 12F_0-5
Date Collected: 01/23/25 12:20
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	642864	SC3B	EET CLE	01/28/25 16:15

Client Sample ID: 12F_0-5
Date Collected: 01/23/25 12:20
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-19
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/28/25 00:26

Client Sample ID: 12F_5-10
Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Client Sample ID: 12F_5-10

Date Collected: 01/23/25 10:30
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-20

Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018226	SXS	EET EDI	01/27/25 09:19
Total/NA	Analysis	8270E		1	1018329	DXD	EET EDI	01/28/25 09:40
Total/NA	Prep	3546			1018103	ZXB	EET EDI	01/25/25 18:32
Total/NA	Analysis	8081B		1	1018172	FAM	EET EDI	01/27/25 13:09
Total/NA	Prep	3546			1018102	ZXB	EET EDI	01/25/25 18:30
Total/NA	Analysis	8082A		1	1018343	AAA	EET EDI	01/28/25 08:29
Total/NA	Prep	1633 Shake			642605	KML	EET CLE	01/27/25 08:17
Total/NA	Analysis	1633		1	642714	DSH	EET CLE	01/28/25 00:42
Total/NA	Prep	3050B			1018500	FBT	EET EDI	01/29/25 06:04
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 14:42
Total/NA	Prep	7471B			1018162	TJS	EET EDI	01/27/25 01:29
Total/NA	Analysis	7471B		1	1018211	TJS	EET EDI	01/27/25 06:53

Client Sample ID: Trip Blank

Date Collected: 01/23/25 14:10
Date Received: 01/23/25 19:11

Lab Sample ID: 460-319240-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1019260	SZD	EET EDI	02/03/25 09:40

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET CLE
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319240-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319240-1	12B2_6-7	Solid	01/23/25 14:10	01/23/25 19:11
460-319240-2	12E2_4-5	Solid	01/23/25 10:55	01/23/25 19:11
460-319240-3	12F2_6-7	Solid	01/23/25 10:35	01/23/25 19:11
460-319240-4	12E3_9-10	Solid	01/23/25 11:00	01/23/25 19:11
460-319240-5	12F2_4-5	Solid	01/23/25 10:25	01/23/25 19:11
460-319240-6	12B1_4-5	Solid	01/23/25 14:00	01/23/25 19:11
460-319240-7	12C3_8-9	Solid	01/23/25 13:05	01/23/25 19:11
460-319240-8	12D1_7-8	Solid	01/23/25 12:10	01/23/25 19:11
460-319240-9	12C1_3-4	Solid	01/23/25 12:35	01/23/25 19:11
460-319240-10	12D2_4-5	Solid	01/23/25 11:55	01/23/25 19:11
460-319240-11	12B_0-5	Solid	01/23/25 13:50	01/23/25 19:11
460-319240-12	12B_5-10	Solid	01/23/25 14:05	01/23/25 19:11
460-319240-13	12C_0-5	Solid	01/23/25 12:25	01/23/25 19:11
460-319240-14	12C_5-10	Solid	01/23/25 12:45	01/23/25 19:11
460-319240-15	12D_0-5	Solid	01/23/25 11:50	01/23/25 19:11
460-319240-16	12D_5-10	Solid	01/23/25 12:05	01/23/25 19:11
460-319240-17	12E_0-5	Solid	01/23/25 10:45	01/23/25 19:11
460-319240-18	12E_5-10	Solid	01/23/25 11:05	01/23/25 19:11
460-319240-19	12F_0-5	Solid	01/23/25 12:20	01/23/25 19:11
460-319240-20	12F_5-10	Solid	01/23/25 10:30	01/23/25 19:11
460-319240-21	Trip Blank	Water	01/23/25 14:10	01/23/25 19:11

Address. 2C-1(MS)

Chain of Custody Record 762680

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Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S Bell	Site Contact: C Colon	Date: 1/23/25	COC No:
Company Name: H+A of NY	Tel/Email: S.bell@haleyaldrich.com	Lab Contact:	Carrier:	1 of 2 COCs
Address: 213 W 35 ST NY NY	Analysis Turnaround Time			Sampler:
City/State/Zip: New York NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: S.Cummisso@haleyaldrich.com	TAT if different from Below			Walk-in Client:
Fax: m.boland@haleyaldrich.com	☐ 2 weeks ☐ 1 week 5 days ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: Former Hat Mart				Job / SDG No: 319240
Site				
PO# 120398-001-001-010				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	724.2 1,2,3,5	Sample Specific Notes.
12B2_6-7	1/23	1410	G	S	4	N	N	X	-1
12E2_4-5		1055				N	N	X	-2
12F2_6-7		1035				N	N	X	-3
12E3_9-10		1100				N	N	X	-4
12F2_4-5		1025				N	N	X	-5
12B1_4-5		1400				N	N	X	-6
12C3_8-9		1305				N	N	X	-7
12D1_7-8		1210				N	N	X	-8
12C1_3-4		1235				N	N	X	-9
12D2_4-5		1155				N	N	X	-10

SHORT HOLD

460-319240 Chain of Custody

Preservation Used 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C) Obs'd._____ Corr'd:_____	Therm ID No. _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
C. Colon	Haley Aldrich	1/23/25			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	01/23/25	1911		ETA	1/23 1911
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10-12/12 17

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2/4/2025

Chain of Custody Record 762681

eurofins | Environment Testing

Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S Bell	Site Contact: O colon	Date: 1/23/25	COC No:
Company Name: Haley + Aldrich of NY	Tel/Email: S bell@haleyaldrich.com	Lab Contact:	Carrier:	2 of 2 COCs
Address: 2003 [illegible] 213 W 35th	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			Sampler:
City/State/Zip: NY, NY 10001	TAT if different from Below: ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day — 5 days			For Lab Use Only: Walk-in Client: Lab Sampling:
Phone: S commiss@haleyaldrich.com				
Fax: M.Boland@haleyaldrich.com				
Project Name: Former port mobil				Job / SDG No: 319240
Site:				
PO # 020898-001-001-06				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL SVOC's	TAL Metals	PCB's	Pesticides	PFAS	Sample Specific Notes
12B_0-5	1/23/25	13 50	C	S	2			X	X	X	X	X	-11
12B_5-10	1/23/25	14 05	C	S	2								-12
12C_0-5	1/23/25	12 25	C	S	2								-13
12C_5-10	1/23/25	12 45	C	S	2								-14
12D_0-5	1/23/25	11 50	C	S	2								-15
12D_5-10	1/23/25	12 05	C	S	2								-16
12E_0-5	1/23/25	10 45	C	S	2								-17
12E_5-10	1/23/25	11 05	C	S	2								-18
12F_0-5	1/23/25	12 20	C	S	2								-19
12F_5-10	1/23/25	10 30	C	S	2								-20
													-21

Preservation Used: 1=Ice 2=HCl 3=H2SO4; 4=HNO3, 5=NaOH 6=Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd _____ Corr'd _____ | Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
O colon	Haley + Aldrich	1/23/2025		01/23/25	15-10
Relinquished by: MD	Company: 01/23/25	Date/Time: 19 11	Received by:	Company: ETA	Date/Time: 1/23 1911
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

10-12/12/24

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2/4/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 319240

Number of Coolers: 12

IR Gun #: 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.2 °C	1.7 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted. _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038 Rev 4.1
10/22/2019

Initials: _____ Date 01/23/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73200.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319240-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 1/30/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

RPTS 26

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
12B_0-5 (460-319240-11)	1/23/25	13:50 Eastern	G	Solid			X	1	
12B_5-10 (460-319240-12)	1/23/25	14.05 Eastern	G	Solid			X	1	
12C_0-5 (460-319240-13)	1/23/25	12:25 Eastern	G	Solid			X	1	
12C_5-10 (460-319240-14)	1/23/25	12:45 Eastern	G	Solid			X	1	
12D_0-5 (460-319240-15)	1/23/25	11 50 Eastern	G	Solid			X	1	
12D_5-10 (460-319240-16)	1/23/25	12:05 Eastern	G	Solid			X	1	
12E_0-5 (460-319240-17)	1/23/25	10:45 Eastern	G	Solid			X	1	
12E_5-10 (460-319240-18)	1/23/25	11:05 Eastern	G	Solid			X	1	
12F_0-5 (460-319240-19)	1/23/25	12:20 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 1/24/25 1900	Company FEN	Received by: JMOROSKO	Date/Time: 01/25/25 0900	Company EUK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73200.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319240-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 1/30/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
12F_5-10 (460-319240-20)	1/23/25	10:30 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/24/25 1900	Eurofins	JMOROSKO	01/25/25 0900	Eurofins
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Eurofins Edison Site Name _____ Cooler unpacked by: JMOROSKO

Cooler Received on 01/25/25 Opened on 01/25/25

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp. 1.7 °C Corrected Cooler Temp 1.6 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	(Y) (Y)
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

_____

_____

_____

_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired

Sample(s) _____ were received in a broken container

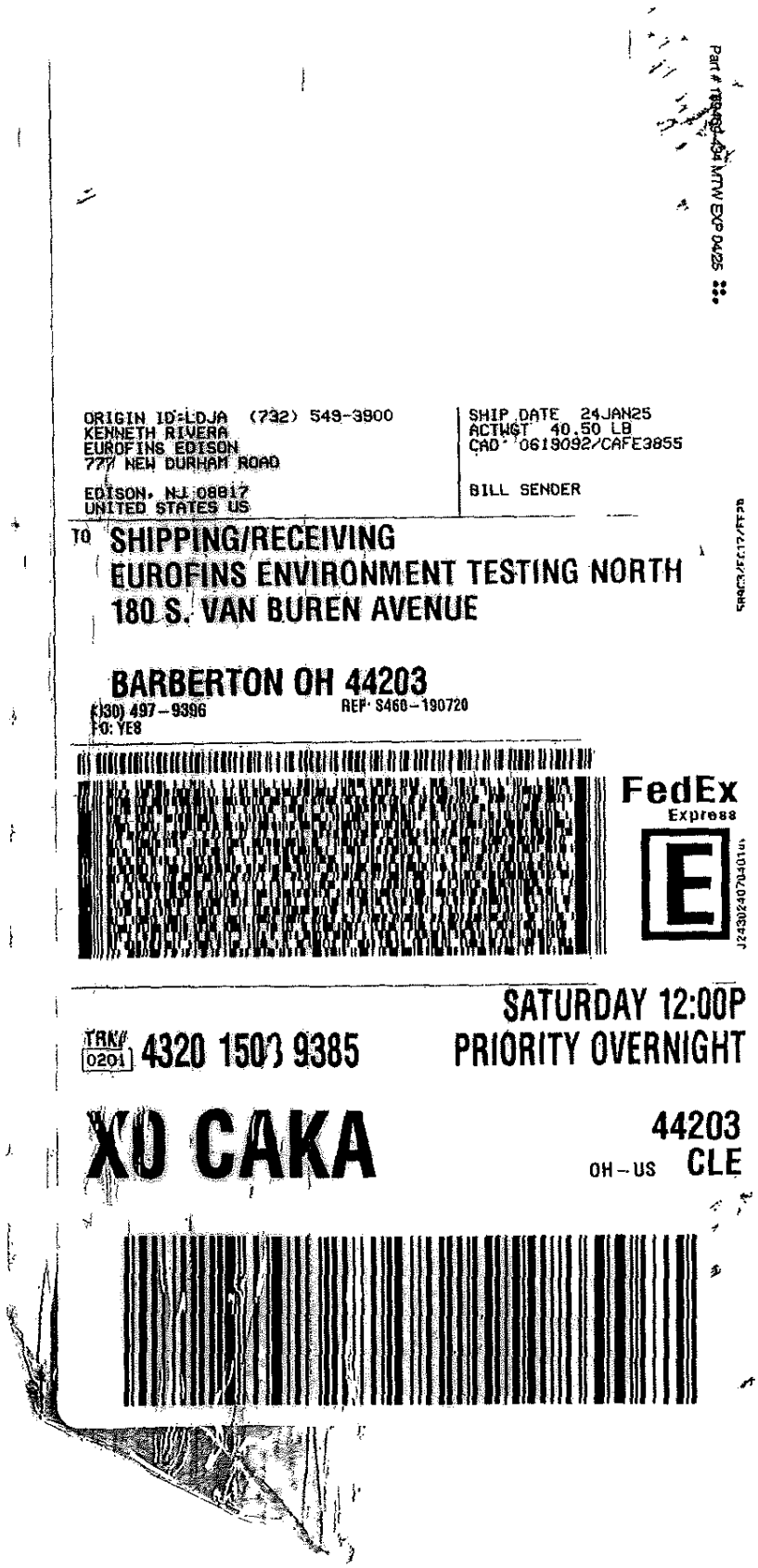
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory

Time preserved. _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____



Part # 1[illegible]-[illegible] MTN EXP 0425

ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 24JAN25
ACTWGT: 40.50 LB
CAD: 0619092/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396 REF: S460-190720
PO: YES

FedEx Express

J243024070401uk

TRK# 0201 4320 1503 9385

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO CAKA

44203
OH-US CLE

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319240-1

Login Number: 319240
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Refer to Job Narrative for details.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 1/31/2025 7:04:54 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319288-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
1/31/2025 7:04:54 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Duplicate RPD exceeds control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-319288-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 1/24/2025 4:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Receipt Exceptions
Insufficient sample volume was provided for the following samples for the PFAS analysis: 12G_0-5 (460-319288-5) and 12G_5-10 (460-319288-6). Plastic 4oz soil jar not received for these two samples.

The following samples were listed on the Chain of Custody (COC); however, no samples were received: 12B_0-5 (460-319288-3) and 12B_5-10 (460-319288-4).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 12I2_7-8 (460-319288-11), 12I2_1-2 (460-319288-12), 12J3_5-6 (460-319288-13), 12J2_3-4 (460-319288-14), 12H2_7-8 (460-319288-15), 12H1_3-4 (460-319288-16), 12G1_5-6 (460-319288-17) and 12G2_4-5 (460-319288-18) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 01/25/2025 and analyzed on 01/29/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018519 was outside the method criteria for the following analytes: Chloromethane (biased low) and Bromochloromethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018519 recovered outside control limits for the following analytes: 4-Methyl-2-pentanone (MIBK) (biased low) and 1,2-Dibromo-3-Chloropropane, Chlorobromomethane and Methyl acetate (biased high). These analytes were not detected in the associated samples; therefore, the data have been reported.

4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCS 460-1018519/3. 1,2-Dibromo-3-Chloropropane and Chlorobromomethane failed the recovery criteria high. 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCSD 460-1018519/4. 1,2-Dibromo-3-Chloropropane, Chlorobromomethane and Methyl acetate failed the recovery criteria high. Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 01/28/2025 and 01/29/2025 and analyzed on 01/29/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018452 was outside the method criteria for the following analyte(s): Benzaldehyde, Butyl benzyl phthalate and Caprolactam. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1018562 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1018385 and analytical batch 460-1018452 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1018512 and analytical batch 460-1018562 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1018385/2-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1018512/2-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCSD 460-1018385/3-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCSD 460-1018512/3-A.

2,4-Dimethylphenol and Atrazine failed the recovery criteria high for the MSD of sample 460-318513-3 in batch 460-1018452. Several analytes exceeded the RPD limit.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared and analyzed on 01/29/2025.

No difficulties were encountered during the Pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 01/29/2025 and analyzed on 01/29/2025 and 01/30/2025.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) BY LC/MS/MS

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS in accordance with 1633. The samples were prepared and analyzed on 01/29/2025.

The sample duplicate (DUP) precision for preparation batch 240-642896 and analytical batch 240-642963 was outside control limits. Sample matrix interference is suspected.

Perfluorodecanoic acid (PFDA), Perfluorohexanoic acid (PFHxA), Perfluorononanoic acid (PFNA) and Perfluorooctanoic acid (PFOA) exceeded the RPD limit for the duplicate of sample 12J_0-6DU (460-319288-1). Refer to the QC report for details.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 01/29/2025.

Antimony and Lead failed the recovery criteria low for the MS of sample 12J_6-12MS (460-319288-2) in batch 460-1018609. Several analytes failed the recovery criteria high.

Several analytes exceeded the RPD limit for the duplicate of sample 12J_6-12DU (460-319288-2). Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9) and 12I_6-12 (460-319288-10) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 01/29/2025.

Mercury exceeded the RPD limit for the duplicate of sample 460-319275-15. Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 12J_0-6 (460-319288-1), 12J_6-12 (460-319288-2), 12G_0-5 (460-319288-5), 12G_5-10 (460-319288-6), 12H_0-5 (460-319288-7), 12H_5-10 (460-319288-8), 12I_0-6 (460-319288-9), 12I_6-12 (460-319288-10), 12I2_7-8 (460-319288-11), 12I2_1-2 (460-319288-12), 12J3_5-6 (460-319288-13), 12J2_3-4 (460-319288-14), 12H2_7-8 (460-319288-15), 12H1_3-4 (460-319288-16), 12G1_5-6 (460-319288-17) and 12G2_4-5 (460-319288-18) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/27/2025.

Percent Moisture exceeded the RPD limit for the duplicate of sample 12H1_3-4DU (460-319288-16). Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12J_0-6 — Lab Sample ID: 460-319288-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.011	J	0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.012	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.047	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.16	J	0.37	0.092	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.11	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.24		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.32		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	3.45		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.76		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	13.2		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.30		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	8.28		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.12	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.049	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.09		0.74	0.18	ug/Kg	1	☼	1633	Total/NA
Aluminum	6850		19.8	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.71	J	0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.8		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	73.2		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.8		0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1710		99.0	40.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	61.2		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Cobalt	21.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	153		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	22100		59.4	20.0	mg/Kg	1	☼	6020B	Total/NA
Lead	163		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2140		99.0	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	209		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	78.4		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	818		99.0	16.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.75	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Sodium	138		99.0	45.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.081	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.2		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	526		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.031		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12J_6-12 — Lab Sample ID: 460-319288-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.14	J	0.37	0.092	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.12	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.27		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.23		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	5.15		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.37		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.69		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.41		0.18	0.046	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 12J_6-12 (Continued)

Lab Sample ID: 460-319288-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.13	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Aluminum	5110		22.1	6.1	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	30.1		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.42	J	0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Calcium	677		110	45.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.3		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.3		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	22.1		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Iron	15000		66.3	22.3	mg/Kg	1	☼	6020B	Total/NA
Lead	15.6		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1320		110	11.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	140		4.4	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.2		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Potassium	535		110	17.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.45	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.061	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.1		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	30.8		8.8	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.015	J	0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12G_0-5

Lab Sample ID: 460-319288-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.012	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.012	J	0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.019	J	0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.029	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.018	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.011	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.019	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6070		20.2	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.61	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.6		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	44.6		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.70		0.40	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1500		101	41.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.8		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	56.5		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	20100		60.5	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	96.8		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2350		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	250		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.6		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	824		101	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.53	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.22	J	0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	83.8	J	101	46.1	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12G_0-5 (Continued)

Lab Sample ID: 460-319288-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.084	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	136		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.038		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12G_5-10

Lab Sample ID: 460-319288-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.014	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.013	J	0.038	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.014	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.014	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Aluminum	6930		20.1	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.32	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	61.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.74		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	731		101	41.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.1		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	40.7		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	18900		60.4	20.3	mg/Kg	1	☼	6020B	Total/NA
Lead	49.1		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2330		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	208		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.7		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	801		101	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.39	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	80.5	J	101	46.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	83.7		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.021		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12H_0-5

Lab Sample ID: 460-319288-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.011	J	0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.016	J	0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.024	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.050	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.016	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0072	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.021	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Perfluorobutanoic acid (PFBA)	0.45	J	0.72	0.18	ug/Kg	1	☼	1633	Total/NA
Perfluoropentanoic acid (PFPeA)	1.31		0.36	0.090	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.93		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.68		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	1.80		0.18	0.045	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12H_0-5 (Continued)

Lab Sample ID: 460-319288-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	4.32		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.60		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	12.2		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.59		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	7.78		0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.14	J	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.078	J	0.18	0.045	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.40	J	0.72	0.18	ug/Kg	1	☼	1633	Total/NA
Aluminum	6440		20.1	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.59	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.3		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	50.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.0		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.30	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1630		100	40.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	31.2		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	73.3		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	22200		60.2	20.3	mg/Kg	1	☼	6020B	Total/NA
Lead	149		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2320		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	229		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	29.2		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	782		100	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.64	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.27	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	129		100	45.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.085	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.7		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	178		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.032		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12H_5-10

Lab Sample ID: 460-319288-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.48	J	0.74	0.18	ug/Kg	1	☼	1633	Total/NA
Perfluoropentanoic acid (PFPeA)	1.29		0.37	0.092	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.93		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.67		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	1.83		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	5.56		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.31		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	10.2		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.43		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	7.79		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.15	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.085	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.20	J	0.74	0.18	ug/Kg	1	☼	1633	Total/NA
Aluminum	6940		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.72	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12H_5-10 (Continued)

Lab Sample ID: 460-319288-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.4		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	56.6		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.68		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.24	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	8020		102	41.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	23.6		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	49.7		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	19600		61.1	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	90.0		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6830		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	264		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.4		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	977		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.50	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.26	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	110		102	46.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	92.3		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.020		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12I_0-6

Lab Sample ID: 460-319288-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.012	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.048	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.14		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.14		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.18		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.10	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.077		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.036	J	0.37	0.020	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.017	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.17	J	0.37	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.025	J	0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.030	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.40		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.016	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.091		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.20	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.31	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.36	J	0.37	0.092	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.30		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.63		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.76		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.46		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.62		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	10.2		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.33		0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	7.34		0.18	0.046	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12I_0-6 (Continued)

Lab Sample ID: 460-319288-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorotetradecanoic acid (PFTeDA)	0.13	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.056	J	0.18	0.046	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.35	J	0.73	0.18	ug/Kg	1	☼	1633	Total/NA
Aluminum	6960		20.9	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.57	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.8		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	53.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.74		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.34	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2440		104	42.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.4		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	58.4		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	18200		62.6	21.1	mg/Kg	1	☼	6020B	Total/NA
Lead	85.3		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2710		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	312		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	30.2		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	791		104	16.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.40	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	64.9	J	104	47.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.085	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.7		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	123		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12I_6-12

Lab Sample ID: 460-319288-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.013	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.019	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.030	J	0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.034	J	0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.044		0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.036	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.016	J	0.037	0.0073	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.036	J	0.37	0.016	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.023	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.059	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.024	J	0.037	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0095	J	0.37	0.0065	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.038	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.069	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Perfluorobutanoic acid (PFBA)	0.28	J	0.75	0.19	ug/Kg	1	☼	1633	Total/NA
Perfluoropentanoic acid (PFPeA)	0.72		0.38	0.094	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.56		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.90		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.92		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.83		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.89		0.19	0.047	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12I_6-12 (Continued) — Lab Sample ID: 460-319288-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	10.2		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.30		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	5.97		0.19	0.047	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.13	J	0.19	0.047	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.32	J	0.75	0.19	ug/Kg	1	☼	1633	Total/NA
Aluminum	6580		20.2	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.3		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	67.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.69		0.40	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1260		101	41.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	24.8		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.6		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	70.6		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	17700		60.6	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	165		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2220		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	195		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.0		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	821		101	16.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.74	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.44		0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	86.2	J	101	46.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.087	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	151		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.036		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12I2_7-8 — Lab Sample ID: 460-319288-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	0.017	*	0.0041	0.0035	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0024		0.0016	0.00094	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12I2_1-2 — Lab Sample ID: 460-319288-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0023		0.0016	0.00093	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12J3_5-6 — Lab Sample ID: 460-319288-13

No Detections.

Client Sample ID: 12J2_3-4 — Lab Sample ID: 460-319288-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0023		0.0016	0.00090	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H2_7-8 — Lab Sample ID: 460-319288-15

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12H1_3-4 — Lab Sample ID: 460-319288-16

No Detections.

Client Sample ID: 12G1_5-6 — Lab Sample ID: 460-319288-17

No Detections.

Client Sample ID: 12G2_4-5 — Lab Sample ID: 460-319288-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0077		0.0073	0.0070	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0028		0.0012	0.00027	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0014		0.0012	0.00061	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzo[a]pyrene	**0.011**	**J**	0.037	0.0098	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzo[b]fluoranthene	**0.012**	**J**	0.037	0.0095	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.37	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1
Pyrene	**0.047**	**J**	0.37	0.0091	mg/Kg	☼	01/29/25 07:23	01/29/25 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 137*	*01/29/25 07:23*	*01/29/25 17:40*	*1*
2-Fluorobiphenyl	*65*		*38 - 128*	*01/29/25 07:23*	*01/29/25 17:40*	*1*
2-Fluorophenol (Surr)	*77*		*31 - 133*	*01/29/25 07:23*	*01/29/25 17:40*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*01/29/25 07:23*	*01/29/25 17:40*	*1*
Phenol-d5 (Surr)	*75*		*35 - 132*	*01/29/25 07:23*	*01/29/25 17:40*	*1*
Terphenyl-d14 (Surr)	*69*		*44 - 147*	*01/29/25 07:23*	*01/29/25 17:40*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*01/29/25 10:28*	*01/29/25 21:38*	*1*
DCB Decachlorobiphenyl	*79*		*17 - 150*	*01/29/25 10:28*	*01/29/25 21:38*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*01/29/25 10:28*	*01/29/25 21:38*	*1*
Tetrachloro-m-xylene	*63*		*21 - 150*	*01/29/25 10:28*	*01/29/25 21:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:05*	*1*
DCB Decachlorobiphenyl	*126*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:05*	*1*
Tetrachloro-m-xylene	*103*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:05*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:05*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoropentanoic acid (PFPeA)	**0.16**	**J**	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorohexanoic acid (PFHxA)	**0.11**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoroheptanoic acid (PFHpA)	**0.24**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorooctanoic acid (PFOA)	**0.32**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorononanoic acid (PFNA)	**3.45**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorodecanoic acid (PFDA)	**0.76**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoroundecanoic acid (PFUnA)	**13.2**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorododecanoic acid (PFDoA)	**0.30**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorotridecanoic acid (PFTrDA)	**8.28**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorotetradecanoic acid (PFTeDA)	**0.12**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.049**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.09**		0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.85	U	1.85	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.85	U	1.85	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	0.23	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.62	U	4.62	1.16	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.62	U	4.62	1.16	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C5 PFPeA	*94.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C5 PFHxA	*95.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C4 PFHpA	*97.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C8 PFOA	*90.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C9 PFNA	*90.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*
13C6 PFDA	*84.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:04*	*1*

Client Sample ID: 12J_0-6

Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1

Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	83.3		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C2 PFTeDA	78.0		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C3 PFBS	95.6		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C3 PFHxS	88.8		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C8 PFOS	90.2		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C8 FOSA	87.3		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d3-NMeFOSAA	83.8		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d5-NEtFOSAA	72.0		20 - 150	01/29/25 08:12	01/29/25 17:04	1
M2-4:2 FTS	99.3		20 - 150	01/29/25 08:12	01/29/25 17:04	1
M2-6:2 FTS	109		20 - 150	01/29/25 08:12	01/29/25 17:04	1
M2-8:2 FTS	105		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C3 HFPO-DA	99.1		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d7-N-MeFOSE-M	74.6		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d9-N-EtFOSE-M	70.3		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d5-NEtPFOSA	69.2		20 - 150	01/29/25 08:12	01/29/25 17:04	1
d3-NMePFOSA	75.1		20 - 150	01/29/25 08:12	01/29/25 17:04	1
13C2-PFDoDA	80.8		20 - 150	01/29/25 08:12	01/29/25 17:04	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6850		19.8	5.4	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Antimony	0.71	J	0.99	0.14	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Arsenic	6.8		0.99	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Barium	73.2		2.0	0.14	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Beryllium	1.8		0.40	0.056	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Cadmium	0.33	J	0.99	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Calcium	1710		99.0	40.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Chromium	61.2		2.0	0.90	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Cobalt	21.2		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Copper	153		2.0	0.36	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Iron	22100		59.4	20.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Lead	163		0.59	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Magnesium	2140		99.0	10.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Manganese	209		4.0	0.40	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Nickel	78.4		2.0	0.47	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Potassium	818		99.0	16.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Selenium	0.75	J	1.2	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Silver	0.25	J	0.40	0.088	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Sodium	138		99.0	45.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Thallium	0.081	J	0.40	0.041	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Vanadium	24.2		2.0	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1
Zinc	526		7.9	3.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:52	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017	0.0082	mg/Kg	☼	01/29/25 00:52	01/29/25 05:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.9		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12J_0-6

Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1

Matrix: Solid
Percent Solids: 90.1

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	90.1		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12J_6-12

Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2

Matrix: Solid
Percent Solids: 90.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4-Dimethylphenol	0.36	U	0.36	0.044	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
3-Nitroaniline	0.36	U	0.36	0.087	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1

Client Sample ID: 12J_6-12
Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1
Pyrene	0.36	U	0.36	0.0091	mg/Kg	☼	01/29/25 07:23	01/29/25 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*01/29/25 07:23*	*01/29/25 17:18*	*1*
2-Fluorobiphenyl	*66*		*38 - 128*	*01/29/25 07:23*	*01/29/25 17:18*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*01/29/25 07:23*	*01/29/25 17:18*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*01/29/25 07:23*	*01/29/25 17:18*	*1*
Phenol-d5 (Surr)	*78*		*35 - 132*	*01/29/25 07:23*	*01/29/25 17:18*	*1*
Terphenyl-d14 (Surr)	*68*		*44 - 147*	*01/29/25 07:23*	*01/29/25 17:18*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1

Client Sample ID: 12J_6-12

Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2

Matrix: Solid
Percent Solids: 90.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*01/29/25 10:28*	*01/29/25 21:51*	*1*
DCB Decachlorobiphenyl	*82*		*17 - 150*	*01/29/25 10:28*	*01/29/25 21:51*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*01/29/25 10:28*	*01/29/25 21:51*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*01/29/25 10:28*	*01/29/25 21:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*126*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:22*	*1*
DCB Decachlorobiphenyl	*115*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:22*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:22*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:22*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoropentanoic acid (PFPeA)	**0.14**	**J**	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorohexanoic acid (PFHxA)	**0.12**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoroheptanoic acid (PFHpA)	**0.27**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorooctanoic acid (PFOA)	**0.23**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorononanoic acid (PFNA)	**5.15**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorodecanoic acid (PFDA)	**1.37**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoroundecanoic acid (PFUnA)	**1.69**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorododecanoic acid (PFDoA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorotridecanoic acid (PFTrDA)	**0.41**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorotetradecanoic acid (PFTeDA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1

Client Sample ID: 12J_6-12
Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2
Matrix: Solid
Percent Solids: 90.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.84	U	1.84	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.84	U	1.84	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	0.23	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.60	U	4.60	1.15	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.60	U	4.60	1.15	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:21	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.3*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:21*	*1*
13C5 PFPeA	*92.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:21*	*1*

Client Sample ID: 12J_6-12
Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2
Matrix: Solid
Percent Solids: 90.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	93.2		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C4 PFHpA	88.2		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C8 PFOA	93.6		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C9 PFNA	93.0		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C6 PFDA	89.9		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C7 PFUnA	85.5		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C2 PFTeDA	68.1		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C3 PFBS	91.5		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C3 PFHxS	90.8		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C8 PFOS	87.7		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C8 FOSA	85.1		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d3-NMeFOSAA	74.6		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d5-NEtFOSAA	75.9		20 - 150	01/29/25 08:12	01/29/25 17:21	1
M2-4:2 FTS	101		20 - 150	01/29/25 08:12	01/29/25 17:21	1
M2-6:2 FTS	106		20 - 150	01/29/25 08:12	01/29/25 17:21	1
M2-8:2 FTS	104		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C3 HFPO-DA	95.2		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d7-N-MeFOSE-M	74.3		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d9-N-EtFOSE-M	66.2		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d5-NEtPFOSA	62.8		20 - 150	01/29/25 08:12	01/29/25 17:21	1
d3-NMePFOSA	73.7		20 - 150	01/29/25 08:12	01/29/25 17:21	1
13C2-PFDoDA	74.7		20 - 150	01/29/25 08:12	01/29/25 17:21	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5110**		22.1	6.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Antimony	**0.26**	**J**	1.1	0.16	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Arsenic	**5.1**		1.1	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Barium	**30.1**		2.2	0.16	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Beryllium	**0.42**	**J**	0.44	0.063	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Calcium	**677**		110	45.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Chromium	**13.3**		2.2	1.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Cobalt	**4.3**		2.2	0.16	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Copper	**22.1**		2.2	0.41	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Iron	**15000**		66.3	22.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Lead	**15.6**		0.66	0.22	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Magnesium	**1320**		110	11.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Manganese	**140**		4.4	0.45	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Nickel	**7.2**		2.2	0.52	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Potassium	**535**		110	17.9	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Selenium	**0.45**	**J**	1.4	0.14	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Silver	0.44	U	0.44	0.098	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Sodium	110	U	110	50.5	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Thallium	**0.061**	**J**	0.44	0.045	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Vanadium	**18.1**		2.2	0.23	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1
Zinc	**30.8**		8.8	3.4	mg/Kg	☼	01/29/25 06:30	01/29/25 15:06	1

Client Sample ID: 12J_6-12

Lab Sample ID: 460-319288-2

Date Collected: 01/24/25 09:50
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 90.5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**	**J**	0.017	0.0080	mg/Kg	☼	01/29/25 00:52	01/29/25 05:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.5**		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	**90.5**		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12G_0-5

Lab Sample ID: 460-319288-5

Date Collected: 01/24/25 14:10
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 90.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Methylnaphthalene	**0.012**	**J**	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Benzo[a]pyrene	**0.012**	**J**	0.036	0.0097	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1

Client Sample ID: 12G_0-5

Date Collected: 01/24/25 14:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-5

Matrix: Solid
Percent Solids: 90.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**0.019**	**J**	0.036	0.0094	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Benzo[g,h,i]perylene	**0.029**	**J**	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Fluoranthene	**0.018**	**J**	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Naphthalene	**0.011**	**J**	0.36	0.0063	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1
Pyrene	**0.019**	**J**	0.36	0.0091	mg/Kg	☼	01/28/25 10:19	01/29/25 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*01/28/25 10:19*	*01/29/25 04:13*	*1*
2-Fluorobiphenyl	*67*		*38 - 128*	*01/28/25 10:19*	*01/29/25 04:13*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*01/28/25 10:19*	*01/29/25 04:13*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*01/28/25 10:19*	*01/29/25 04:13*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*01/28/25 10:19*	*01/29/25 04:13*	*1*
Terphenyl-d14 (Surr)	*67*		*44 - 147*	*01/28/25 10:19*	*01/29/25 04:13*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1

Client Sample ID: 12G_0-5

Date Collected: 01/24/25 14:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-5

Matrix: Solid
Percent Solids: 90.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:04*	*1*
DCB Decachlorobiphenyl	*77*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:04*	*1*
Tetrachloro-m-xylene	*62*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:04*	*1*
Tetrachloro-m-xylene	*63*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:04*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*114*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:39*	*1*
DCB Decachlorobiphenyl	*101*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:39*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:39*	*1*
Tetrachloro-m-xylene	*94*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:39*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6070**		20.2	5.5	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Antimony	**0.61**	**J**	1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Arsenic	**8.6**		1.0	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Barium	**44.6**		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Beryllium	**0.70**		0.40	0.058	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Cadmium	**0.27**	**J**	1.0	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Calcium	**1500**		101	41.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Chromium	**22.8**		2.0	0.92	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1

Client Sample ID: 12G_0-5

Lab Sample ID: 460-319288-5

Date Collected: 01/24/25 14:10
Date Received: 01/24/25 16:25

Matrix: Solid
Percent Solids: 90.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	8.4		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Copper	56.5		2.0	0.37	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Iron	20100		60.5	20.4	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Lead	96.8		0.61	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Magnesium	2350		101	10.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Manganese	250		4.0	0.41	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Nickel	24.6		2.0	0.47	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Potassium	824		101	16.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Selenium	0.53	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Silver	0.22	J	0.40	0.090	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Sodium	83.8	J	101	46.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Thallium	0.084	J	0.40	0.041	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Vanadium	25.4		2.0	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1
Zinc	136		8.1	3.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.017	0.0079	mg/Kg	☼	01/29/25 00:52	01/29/25 05:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.1		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	90.9		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12G_5-10

Lab Sample ID: 460-319288-6

Date Collected: 01/24/25 14:15
Date Received: 01/24/25 16:25

Matrix: Solid
Percent Solids: 87.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.025	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Chloronaphthalene	0.38	U	0.38	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
3 & 4 Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1

Client Sample ID: 12G_5-10
Date Collected: 01/24/25 14:15
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-6
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	0.38	U	0.38	0.089	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Nitroaniline	0.38	U	0.38	0.043	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzaldehyde	0.38	U	0.38	0.062	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzo[a]pyrene	**0.014**	**J**	0.038	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzo[b]fluoranthene	**0.013**	**J**	0.038	0.0097	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzo[g,h,i]perylene	**0.014**	**J**	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Dimethyl phthalate	0.38	U	0.38	0.085	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Fluoranthene	**0.014**	**J**	0.38	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Hexachlorocyclopentadiene	0.38	U *	0.38	0.033	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1
Pyrene	**0.016**	**J**	0.38	0.0094	mg/Kg	☼	01/28/25 10:19	01/29/25 02:25	1

Client Sample ID: 12G_5-10

Date Collected: 01/24/25 14:15
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-6

Matrix: Solid
Percent Solids: 87.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*01/28/25 10:19*	*01/29/25 02:25*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*01/28/25 10:19*	*01/29/25 02:25*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*01/28/25 10:19*	*01/29/25 02:25*	*1*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*	*01/28/25 10:19*	*01/29/25 02:25*	*1*
Phenol-d5 (Surr)	*76*		*35 - 132*	*01/28/25 10:19*	*01/29/25 02:25*	*1*
Terphenyl-d14 (Surr)	*78*		*44 - 147*	*01/28/25 10:19*	*01/29/25 02:25*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endosulfan sulfate	0.0076	U	0.0076	0.00096	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	☼	01/29/25 10:28	01/29/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:17*	*1*
DCB Decachlorobiphenyl	*101*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:17*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:17*	*1*
Tetrachloro-m-xylene	*88*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:17*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 22:56	1

Client Sample ID: 12G_5-10

Lab Sample ID: 460-319288-6

Date Collected: 01/24/25 14:15
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 87.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*133*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:56*	*1*
DCB Decachlorobiphenyl	*131*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:56*	*1*
Tetrachloro-m-xylene	*120*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:56*	*1*
Tetrachloro-m-xylene	*116*		*20 - 150*	*01/29/25 10:18*	*01/29/25 22:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6930		20.1	5.5	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Antimony	0.32	J	1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Arsenic	6.5		1.0	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Barium	61.3		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Beryllium	0.74		0.40	0.057	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Cadmium	0.14	J	1.0	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Calcium	731		101	41.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Chromium	25.1		2.0	0.91	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Cobalt	9.3		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Copper	40.7		2.0	0.37	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Iron	18900		60.4	20.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Lead	49.1		0.60	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Magnesium	2330		101	10.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Manganese	208		4.0	0.41	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Nickel	27.7		2.0	0.47	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Potassium	801		101	16.3	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Selenium	0.39	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Silver	0.13	J	0.40	0.090	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Sodium	80.5	J	101	46.0	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Thallium	0.13	J	0.40	0.041	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Vanadium	26.0		2.0	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1
Zinc	83.7		8.1	3.1	mg/Kg	☼	01/29/25 06:30	01/29/25 15:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.0082	mg/Kg	☼	01/29/25 01:05	01/29/25 05:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.1		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	87.9		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12H_0-5

Lab Sample ID: 460-319288-7

Date Collected: 01/24/25 13:05
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1

Client Sample ID: 12H_0-5
Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
4-Nitrophenol	0.73	U	0.73	0.058	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzo[a]pyrene	**0.011**	**J**	0.036	0.0095	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzo[b]fluoranthene	**0.016**	**J**	0.036	0.0093	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzo[g,h,i]perylene	**0.024**	**J**	0.36	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Di-n-butyl phthalate	**0.050**	**J**	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Fluoranthene	**0.016**	**J**	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1

Client Sample ID: 12H_0-5

Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7

Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Hexachlorobutadiene	0.073	U	0.073	0.0076	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.031	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Naphthalene	**0.0072**	**J**	0.36	0.0062	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1
Pyrene	**0.021**	**J**	0.36	0.0089	mg/Kg	☼	01/28/25 10:19	01/29/25 02:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*01/28/25 10:19*	*01/29/25 02:46*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/28/25 10:19*	*01/29/25 02:46*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 133*	*01/28/25 10:19*	*01/29/25 02:46*	*1*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*	*01/28/25 10:19*	*01/29/25 02:46*	*1*
Phenol-d5 (Surr)	*85*		*35 - 132*	*01/28/25 10:19*	*01/29/25 02:46*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*01/28/25 10:19*	*01/29/25 02:46*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
cis-Chlordane	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	01/29/25 10:28	01/29/25 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:30*	*1*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:30*	*1*

Client Sample ID: 12H_0-5

Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7

Matrix: Solid
Percent Solids: 92.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*74*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:30*	*1*
Tetrachloro-m-xylene	*74*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	01/29/25 10:18	01/29/25 23:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*129*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:12*	*1*
DCB Decachlorobiphenyl	*125*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:12*	*1*
Tetrachloro-m-xylene	*107*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:12*	*1*
Tetrachloro-m-xylene	*104*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:12*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.45**	**J**	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoropentanoic acid (PFPeA)	**1.31**		0.36	0.090	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorohexanoic acid (PFHxA)	**0.93**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoroheptanoic acid (PFHpA)	**1.68**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorooctanoic acid (PFOA)	**1.80**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorononanoic acid (PFNA)	**4.32**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorodecanoic acid (PFDA)	**1.60**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoroundecanoic acid (PFUnA)	**12.2**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorododecanoic acid (PFDoA)	**0.59**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorotridecanoic acid (PFTrDA)	**7.78**		0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorotetradecanoic acid (PFTeDA)	**0.14**	**J**	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorooctanesulfonic acid (PFOS)	**0.078**	**J**	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1

Client Sample ID: 12H_0-5
Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7
Matrix: Solid
Percent Solids: 92.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.40**	**J**	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.81	U	1.81	0.45	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.36	U	0.36	0.090	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.36	U	0.36	0.090	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.72	U	0.72	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.36	U	0.36	0.090	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.90	U	0.90	0.23	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.52	U	4.52	1.13	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.52	U	4.52	1.13	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.045	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.36	U	0.36	0.090	ug/Kg	☼	01/29/25 08:12	01/29/25 17:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C5 PFPeA	*87.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C5 PFHxA	*97.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C4 PFHpA	*94.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C8 PFOA	*89.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C9 PFNA	*88.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C6 PFDA	*87.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C7 PFUnA	*80.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C2 PFTeDA	*72.3*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C3 PFBS	*91.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C3 PFHxS	*88.3*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C8 PFOS	*87.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*
13C8 FOSA	*84.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:38*	*1*

Client Sample ID: 12H_0-5

Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7

Matrix: Solid
Percent Solids: 92.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	78.3		20 - 150	01/29/25 08:12	01/29/25 17:38	1
d5-NEtFOSAA	83.1		20 - 150	01/29/25 08:12	01/29/25 17:38	1
M2-4:2 FTS	98.8		20 - 150	01/29/25 08:12	01/29/25 17:38	1
M2-6:2 FTS	99.9		20 - 150	01/29/25 08:12	01/29/25 17:38	1
M2-8:2 FTS	103		20 - 150	01/29/25 08:12	01/29/25 17:38	1
13C3 HFPO-DA	97.2		20 - 150	01/29/25 08:12	01/29/25 17:38	1
d7-N-MeFOSE-M	74.1		20 - 150	01/29/25 08:12	01/29/25 17:38	1
d9-N-EtFOSE-M	70.4		20 - 150	01/29/25 08:12	01/29/25 17:38	1
d5-NEtPFOSA	65.5		20 - 150	01/29/25 08:12	01/29/25 17:38	1
d3-NMePFOSA	74.1		20 - 150	01/29/25 08:12	01/29/25 17:38	1
13C2-PFDoDA	77.6		20 - 150	01/29/25 08:12	01/29/25 17:38	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6440		20.1	5.5	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Antimony	0.59	J	1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Arsenic	7.3		1.0	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Barium	50.4		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Beryllium	1.0		0.40	0.057	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Cadmium	0.30	J	1.0	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Calcium	1630		100	40.9	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Chromium	31.2		2.0	0.91	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Cobalt	9.7		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Copper	73.3		2.0	0.37	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Iron	22200		60.2	20.3	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Lead	149		0.60	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Magnesium	2320		100	10.2	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Manganese	229		4.0	0.40	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Nickel	29.2		2.0	0.47	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Potassium	782		100	16.3	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Selenium	0.64	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Silver	0.27	J	0.40	0.089	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Sodium	129		100	45.9	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Thallium	0.085	J	0.40	0.041	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Vanadium	25.7		2.0	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1
Zinc	178		8.0	3.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0083	mg/Kg	☼	01/29/25 01:05	01/29/25 05:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.8		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	92.2		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12H_5-10
Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1

Client Sample ID: 12H_5-10

Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	01/28/25 10:19	01/29/25 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*24 - 137*	*01/28/25 10:19*	*01/29/25 03:08*	*1*
2-Fluorobiphenyl	*65*		*38 - 128*	*01/28/25 10:19*	*01/29/25 03:08*	*1*
2-Fluorophenol (Surr)	*69*		*31 - 133*	*01/28/25 10:19*	*01/29/25 03:08*	*1*
Nitrobenzene-d5 (Surr)	*61*		*31 - 120*	*01/28/25 10:19*	*01/29/25 03:08*	*1*
Phenol-d5 (Surr)	*69*		*35 - 132*	*01/28/25 10:19*	*01/29/25 03:08*	*1*
Terphenyl-d14 (Surr)	*69*		*44 - 147*	*01/28/25 10:19*	*01/29/25 03:08*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1

Client Sample ID: 12H_5-10
Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 22:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:43*	*1*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:43*	*1*
Tetrachloro-m-xylene	*71*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:43*	*1*
Tetrachloro-m-xylene	*71*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:29*	*1*
DCB Decachlorobiphenyl	*117*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:29*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:29*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:29*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.48**	**J**	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoropentanoic acid (PFPeA)	**1.29**		0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorohexanoic acid (PFHxA)	**0.93**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoroheptanoic acid (PFHpA)	**1.67**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorooctanoic acid (PFOA)	**1.83**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorononanoic acid (PFNA)	**5.56**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorodecanoic acid (PFDA)	**1.31**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoroundecanoic acid (PFUnA)	**10.2**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorododecanoic acid (PFDoA)	**0.43**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorotridecanoic acid (PFTrDA)	**7.79**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorotetradecanoic acid (PFTeDA)	**0.15**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1

Client Sample ID: 12H_5-10
Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8
Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.085**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.20**	**J**	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.85	U	1.85	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.85	U	1.85	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.74	U	0.74	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	0.23	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.62	U	4.62	1.16	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.62	U	4.62	1.16	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 17:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C5 PFPeA	*91.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C5 PFHxA	*92.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C4 PFHpA	*95.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C8 PFOA	*94.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C9 PFNA	*91.3*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*
13C6 PFDA	*90.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 17:54*	*1*

Client Sample ID: 12H_5-10

Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8

Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	86.8		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C2 PFTeDA	82.7		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C3 PFBS	91.0		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C3 PFHxS	89.3		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C8 PFOS	91.6		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C8 FOSA	89.9		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d3-NMeFOSAA	80.6		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d5-NEtFOSAA	80.2		20 - 150	01/29/25 08:12	01/29/25 17:54	1
M2-4:2 FTS	103		20 - 150	01/29/25 08:12	01/29/25 17:54	1
M2-6:2 FTS	109		20 - 150	01/29/25 08:12	01/29/25 17:54	1
M2-8:2 FTS	104		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C3 HFPO-DA	103		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d7-N-MeFOSE-M	74.0		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d9-N-EtFOSE-M	73.0		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d5-NEtPFOSA	69.3		20 - 150	01/29/25 08:12	01/29/25 17:54	1
d3-NMePFOSA	72.2		20 - 150	01/29/25 08:12	01/29/25 17:54	1
13C2-PFDoDA	84.6		20 - 150	01/29/25 08:12	01/29/25 17:54	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6940		20.4	5.6	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Antimony	0.72	J	1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Arsenic	8.4		1.0	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Barium	56.6		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Beryllium	0.68		0.41	0.058	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Cadmium	0.24	J	1.0	0.12	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Calcium	8020		102	41.4	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Chromium	23.6		2.0	0.92	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Cobalt	8.1		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Copper	49.7		2.0	0.37	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Iron	19600		61.1	20.6	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Lead	90.0		0.61	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Magnesium	6830		102	10.4	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Manganese	264		4.1	0.41	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Nickel	20.4		2.0	0.48	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Potassium	977		102	16.5	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Selenium	0.50	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Silver	0.26	J	0.41	0.091	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Sodium	110		102	46.5	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Thallium	0.12	J	0.41	0.042	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Vanadium	27.4		2.0	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1
Zinc	92.3		8.1	3.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.019	0.0089	mg/Kg	☼	01/29/25 01:05	01/29/25 05:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.9		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12H_5-10

Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8

Matrix: Solid
Percent Solids: 90.1

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	90.1		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12I_0-6

Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9

Matrix: Solid
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Acenaphthene	0.012	J	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Anthracene	0.048	J	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzo[a]anthracene	0.14		0.037	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzo[a]pyrene	0.14		0.037	0.0098	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzo[b]fluoranthene	0.18		0.037	0.0095	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzo[g,h,i]perylene	0.10	J	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Benzo[k]fluoranthene	0.077		0.037	0.0072	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1

Client Sample ID: 12I_0-6
Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	**0.036**	**J**	0.37	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Carbazole	**0.017**	**J**	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Chrysene	**0.17**	**J**	0.37	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Dibenz(a,h)anthracene	**0.025**	**J**	0.037	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Di-n-butyl phthalate	**0.030**	**J**	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Fluoranthene	**0.40**		0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Fluorene	**0.016**	**J**	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Indeno[1,2,3-cd]pyrene	**0.091**		0.037	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Phenanthrene	**0.20**	**J**	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1
Pyrene	**0.31**	**J**	0.37	0.0092	mg/Kg	☼	01/28/25 10:19	01/29/25 03:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*01/28/25 10:19*	*01/29/25 03:30*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*01/28/25 10:19*	*01/29/25 03:30*	*1*
2-Fluorophenol (Surr)	*86*		*31 - 133*	*01/28/25 10:19*	*01/29/25 03:30*	*1*
Nitrobenzene-d5 (Surr)	*70*		*31 - 120*	*01/28/25 10:19*	*01/29/25 03:30*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*01/28/25 10:19*	*01/29/25 03:30*	*1*
Terphenyl-d14 (Surr)	*76*		*44 - 147*	*01/28/25 10:19*	*01/29/25 03:30*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1

Client Sample ID: 12I_0-6
Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:56*	*1*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*01/29/25 10:28*	*01/29/25 22:56*	*1*
Tetrachloro-m-xylene	*62*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:56*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*01/29/25 10:28*	*01/29/25 22:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	01/29/25 10:18	01/29/25 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*129*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:46*	*1*
DCB Decachlorobiphenyl	*113*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:46*	*1*
Tetrachloro-m-xylene	*97*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:46*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*01/29/25 10:18*	*01/29/25 23:46*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoropentanoic acid (PFPeA)	**0.36**	**J**	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorohexanoic acid (PFHxA)	**0.30**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoroheptanoic acid (PFHpA)	**0.63**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorooctanoic acid (PFOA)	**0.76**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorononanoic acid (PFNA)	**1.46**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorodecanoic acid (PFDA)	**0.62**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoroundecanoic acid (PFUnA)	**10.2**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorododecanoic acid (PFDoA)	**0.33**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorotridecanoic acid (PFTrDA)	**7.34**		0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1

Client Sample ID: 12I_0-6
Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9
Matrix: Solid
Percent Solids: 89.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.13**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorobutanesulfonic acid (PFBS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorooctanesulfonic acid (PFOS)	**0.056**	**J**	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.35**	**J**	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.84	U	1.84	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.84	U	1.84	0.46	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.73	U	0.73	0.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	0.23	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.59	U	4.59	1.15	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.59	U	4.59	1.15	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	0.046	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	0.092	ug/Kg	☼	01/29/25 08:12	01/29/25 18:11	1

Client Sample ID: 12I_0-6

Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9

Matrix: Solid
Percent Solids: 89.6

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92.5		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C5 PFPeA	99.7		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C5 PFHxA	97.3		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C4 PFHpA	95.2		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C8 PFOA	93.9		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C9 PFNA	92.7		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C6 PFDA	89.2		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C7 PFUnA	88.6		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C2 PFTeDA	80.2		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C3 PFBS	88.3		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C3 PFHxS	88.4		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C8 PFOS	92.5		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C8 FOSA	89.0		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d3-NMeFOSAA	81.5		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d5-NEtFOSAA	77.1		20 - 150	01/29/25 08:12	01/29/25 18:11	1
M2-4:2 FTS	104		20 - 150	01/29/25 08:12	01/29/25 18:11	1
M2-6:2 FTS	110		20 - 150	01/29/25 08:12	01/29/25 18:11	1
M2-8:2 FTS	110		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C3 HFPO-DA	112		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d7-N-MeFOSE-M	73.3		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d9-N-EtFOSE-M	73.6		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d5-NEtPFOSA	68.6		20 - 150	01/29/25 08:12	01/29/25 18:11	1
d3-NMePFOSA	74.6		20 - 150	01/29/25 08:12	01/29/25 18:11	1
13C2-PFDoDA	85.8		20 - 150	01/29/25 08:12	01/29/25 18:11	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6960		20.9	5.7	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Antimony	0.57	J	1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Arsenic	6.8		1.0	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Barium	53.3		2.1	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Beryllium	0.74		0.42	0.059	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Cadmium	0.34	J	1.0	0.12	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Calcium	2440		104	42.4	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Chromium	18.4		2.1	0.95	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Cobalt	8.7		2.1	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Copper	58.4		2.1	0.38	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Iron	18200		62.6	21.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Lead	85.3		0.63	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Magnesium	2710		104	10.6	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Manganese	312		4.2	0.42	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Nickel	30.2		2.1	0.49	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Potassium	791		104	16.9	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Selenium	0.40	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Silver	0.23	J	0.42	0.093	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Sodium	64.9	J	104	47.7	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Thallium	0.085	J	0.42	0.043	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Vanadium	23.7		2.1	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1
Zinc	123		8.3	3.2	mg/Kg	☼	01/29/25 06:30	01/29/25 16:05	1

Client Sample ID: 12I_0-6

Lab Sample ID: 460-319288-9
Date Collected: 01/24/25 10:40
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 89.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.017	0.0080	mg/Kg	☼	01/29/25 01:05	01/29/25 05:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.4		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	89.6		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12I_6-12

Lab Sample ID: 460-319288-10
Date Collected: 01/24/25 10:55
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4-Dimethylphenol	0.37	U	0.37	0.045	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Methylnaphthalene	0.013	J	0.37	0.010	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
3-Nitroaniline	0.37	U	0.37	0.089	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Anthracene	0.019	J	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Benzaldehyde	0.37	U	0.37	0.062	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Benzo[a]anthracene	0.030	J	0.037	0.028	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Benzo[a]pyrene	0.034	J	0.037	0.0099	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1

Client Sample ID: 12I_6-12

Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**0.044**		0.037	0.0097	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Benzo[g,h,i]perylene	**0.036**	**J**	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Benzo[k]fluoranthene	**0.016**	**J**	0.037	0.0073	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Chrysene	**0.036**	**J**	0.37	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Di-n-butyl phthalate	**0.023**	**J**	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Fluoranthene	**0.059**	**J**	0.37	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Hexachlorobutadiene	0.076	U	0.076	0.0079	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.033	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Indeno[1,2,3-cd]pyrene	**0.024**	**J**	0.037	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Naphthalene	**0.0095**	**J**	0.37	0.0065	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Phenanthrene	**0.038**	**J**	0.37	0.015	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1
Pyrene	**0.069**	**J**	0.37	0.0093	mg/Kg	☼	01/28/25 10:19	01/29/25 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*	*01/28/25 10:19*	*01/29/25 04:56*	*1*
2-Fluorobiphenyl	*89*		*38 - 128*	*01/28/25 10:19*	*01/29/25 04:56*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 133*	*01/28/25 10:19*	*01/29/25 04:56*	*1*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*	*01/28/25 10:19*	*01/29/25 04:56*	*1*
Phenol-d5 (Surr)	*80*		*35 - 132*	*01/28/25 10:19*	*01/29/25 04:56*	*1*
Terphenyl-d14 (Surr)	*73*		*44 - 147*	*01/28/25 10:19*	*01/29/25 04:56*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1

Client Sample ID: 12I_6-12

Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	01/29/25 10:28	01/29/25 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*17 - 150*	*01/29/25 10:28*	*01/29/25 23:09*	*1*
DCB Decachlorobiphenyl	*90*		*17 - 150*	*01/29/25 10:28*	*01/29/25 23:09*	*1*
Tetrachloro-m-xylene	*67*		*21 - 150*	*01/29/25 10:28*	*01/29/25 23:09*	*1*
Tetrachloro-m-xylene	*67*		*21 - 150*	*01/29/25 10:28*	*01/29/25 23:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	01/29/25 10:18	01/30/25 00:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*		*20 - 150*	*01/29/25 10:18*	*01/30/25 00:02*	*1*
DCB Decachlorobiphenyl	*132*		*20 - 150*	*01/29/25 10:18*	*01/30/25 00:02*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*01/29/25 10:18*	*01/30/25 00:02*	*1*
Tetrachloro-m-xylene	*104*		*20 - 150*	*01/29/25 10:18*	*01/30/25 00:02*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**0.28**	**J**	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoropentanoic acid (PFPeA)	**0.72**		0.38	0.094	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorohexanoic acid (PFHxA)	**0.56**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoroheptanoic acid (PFHpA)	**0.90**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorooctanoic acid (PFOA)	**0.92**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorononanoic acid (PFNA)	**2.83**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorodecanoic acid (PFDA)	**0.89**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoroundecanoic acid (PFUnA)	**10.2**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1

Client Sample ID: 12I_6-12
Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.30**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorotridecanoic acid (PFTrDA)	**5.97**		0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorotetradecanoic acid (PFTeDA)	**0.13**	**J**	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorobutanesulfonic acid (PFBS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoropentanesulfonic acid (PFPeS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorohexanesulfonic acid (PFHxS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoroheptanesulfonic acid (PFHpS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorooctanesulfonic acid (PFOS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorononanesulfonic acid (PFNS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorododecanesulfonic acid (PFDoS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.32**	**J**	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorooctanesulfonamide (PFOSA)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.88	U	1.88	0.47	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.88	U	1.88	0.47	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.38	U	0.38	0.094	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.38	U	0.38	0.094	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.75	U	0.75	0.19	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.38	U	0.38	0.094	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.94	U	0.94	0.24	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.71	U	4.71	1.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.71	U	4.71	1.18	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1
Perfluorodecanesulfonic acid (PFDS)	0.19	U	0.19	0.047	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1

Client Sample ID: 12I_6-12

Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10

Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.38	U	0.38	0.094	ug/Kg	☼	01/29/25 08:12	01/29/25 18:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C5 PFPeA	*93.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C5 PFHxA	*94.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C4 PFHpA	*87.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C8 PFOA	*90.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C9 PFNA	*91.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C6 PFDA	*89.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C7 PFUnA	*87.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C2 PFTeDA	*73.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C3 PFBS	*89.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C3 PFHxS	*87.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C8 PFOS	*91.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C8 FOSA	*86.2*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d3-NMeFOSAA	*77.9*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d5-NEtFOSAA	*77.7*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
M2-6:2 FTS	*112*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
M2-8:2 FTS	*106*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C3 HFPO-DA	*92.4*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d7-N-MeFOSE-M	*72.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d9-N-EtFOSE-M	*71.8*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d5-NEtPFOSA	*69.0*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
d3-NMePFOSA	*71.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*
13C2-PFDoDA	*85.5*		*20 - 150*	*01/29/25 08:12*	*01/29/25 18:27*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6580**		20.2	5.5	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Antimony	**1.1**		1.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Arsenic	**7.3**		1.0	0.10	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Barium	**67.5**		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Beryllium	**0.69**		0.40	0.058	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Cadmium	**0.33**	J	1.0	0.11	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Calcium	**1260**		101	41.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Chromium	**24.8**		2.0	0.92	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Cobalt	**8.6**		2.0	0.15	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Copper	**70.6**		2.0	0.37	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Iron	**17700**		60.6	20.4	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Lead	**165**		0.61	0.20	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Magnesium	**2220**		101	10.3	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Manganese	**195**		4.0	0.41	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Nickel	**27.0**		2.0	0.47	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Potassium	**821**		101	16.4	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Selenium	**0.74**	J	1.3	0.13	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Silver	**0.44**		0.40	0.090	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Sodium	**86.2**	J	101	46.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Thallium	**0.087**	J	0.40	0.041	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1

Client Sample ID: 12I_6-12

Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10

Matrix: Solid
Percent Solids: 88.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	28.0		2.0	0.21	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1
Zinc	151		8.1	3.1	mg/Kg	☼	01/29/25 06:30	01/29/25 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.017	0.0080	mg/Kg	☼	01/29/25 01:05	01/29/25 05:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.6		1.0	1.0	%			01/27/25 16:39	1
Percent Solids (EPA Moisture)	88.4		1.0	1.0	%			01/27/25 16:39	1

Client Sample ID: 12I2_7-8

Date Collected: 01/24/25 10:24
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-11

Matrix: Solid
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00082	U	0.00082	0.00019	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00082	U	0.00082	0.00025	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,1,2-Trichloroethane	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,1-Dichloroethane	0.00082	U	0.00082	0.00017	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,1-Dichloroethene	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2,3-Trichlorobenzene	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2,4-Trichlorobenzene	0.00082	U	0.00082	0.00029	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2,4-Trimethylbenzene	0.00082	U	0.00082	0.00020	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2-Dibromo-3-Chloropropane	0.00082	U *	0.00082	0.00038	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2-Dichloroethane	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,2-Dichloropropane	0.00082	U	0.00082	0.00035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,3,5-Trimethylbenzene	0.00082	U	0.00082	0.00026	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,3-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
1,4-Dichlorobenzene	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
4-Methyl-2-pentanone (MIBK)	0.0041	U *	0.0041	0.0013	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Benzene	0.00082	U	0.00082	0.00021	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Bromoform	0.00082	U	0.00082	0.00035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Bromomethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Carbon disulfide	0.00082	U	0.00082	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Carbon tetrachloride	0.00082	U	0.00082	0.00032	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chlorobenzene	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chlorobromomethane	0.00082	U *	0.00082	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chlorodibromomethane	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chloroform	0.00082	U	0.00082	0.00080	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Chloromethane	0.00082	U	0.00082	0.00036	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
cis-1,2-Dichloroethene	0.00082	U	0.00082	0.00029	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1

Client Sample ID: 12I2_7-8

Date Collected: 01/24/25 10:24
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-11

Matrix: Solid
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Cyclohexane	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Dichlorobromomethane	0.00082	U	0.00082	0.00021	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Dichlorodifluoromethane	0.00082	U	0.00082	0.00028	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Ethylbenzene	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Ethylene Dibromide	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Isopropylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Methyl acetate	**0.017**	*	0.0041	0.0035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Methyl tert-butyl ether	0.00082	U	0.00082	0.00042	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Methylcyclohexane	0.00082	U	0.00082	0.00041	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Methylene Chloride	**0.0024**		0.0016	0.00094	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
m-Xylene & p-Xylene	0.00082	U	0.00082	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
n-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
N-Propylbenzene	0.00082	U	0.00082	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
o-Xylene	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
sec-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Styrene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
tert-Butylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Tetrachloroethene	0.00082	U	0.00082	0.00025	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Toluene	0.00082	U	0.00082	0.00019	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
trans-1,2-Dichloroethene	0.00082	U	0.00082	0.00020	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
trans-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Trichloroethene	0.00082	U	0.00082	0.00026	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Trichlorofluoromethane	0.00082	U	0.00082	0.00033	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Vinyl chloride	0.00082	U	0.00082	0.00045	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*01/25/25 16:26*	*01/29/25 11:28*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*01/25/25 16:26*	*01/29/25 11:28*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*01/25/25 16:26*	*01/29/25 11:28*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*01/25/25 16:26*	*01/29/25 11:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.6**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**97.4**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12I2_1-2

Date Collected: 01/24/25 10:30
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-12

Matrix: Solid
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00017	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U	0.00081	0.00025	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00017	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1

Client Sample ID: 12I2_1-2
Date Collected: 01/24/25 10:30
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-12
Matrix: Solid
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2-Dibromo-3-Chloropropane	0.00081	U *	0.00081	0.00037	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00026	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00030	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
4-Methyl-2-pentanone (MIBK)	0.0041	U *	0.0041	0.0013	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Benzene	0.00081	U	0.00081	0.00021	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Bromoform	0.00081	U	0.00081	0.00035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Carbon disulfide	0.00081	U	0.00081	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Carbon tetrachloride	0.00081	U	0.00081	0.00032	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chlorobenzene	0.00081	U	0.00081	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chlorobromomethane	0.00081	U *	0.00081	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chlorodibromomethane	0.00081	U	0.00081	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chloroethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chloroform	0.00081	U	0.00081	0.00079	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00028	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Ethylbenzene	0.00081	U	0.00081	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Ethylene Dibromide	0.00081	U	0.00081	0.00015	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Methyl acetate	0.0041	U *	0.0041	0.0035	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00042	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Methylcyclohexane	0.00081	U	0.00081	0.00041	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Methylene Chloride	**0.0023**		0.0016	0.00093	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
N-Propylbenzene	0.00081	U	0.00081	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
o-Xylene	0.00081	U	0.00081	0.00016	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Styrene	0.00081	U	0.00081	0.00023	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1

Client Sample ID: 12I2_1-2

Date Collected: 01/24/25 10:30
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-12
Matrix: Solid
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/25/25 16:26	01/29/25 11:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/25/25 16:26*	*01/29/25 11:51*	*1*
4-Bromofluorobenzene	*85*		*71 - 128*	*01/25/25 16:26*	*01/29/25 11:51*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*01/25/25 16:26*	*01/29/25 11:51*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/25/25 16:26*	*01/29/25 11:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.4**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**88.6**		1.0	1.0	%			01/27/25 07:37	1

Client Sample ID: 12J3_5-6

Date Collected: 01/24/25 09:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-13
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00077	U	0.00077	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,1,2,2-Tetrachloroethane	0.00077	U	0.00077	0.00016	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,1,2-Trichloroethane	0.00077	U	0.00077	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,1-Dichloroethane	0.00077	U	0.00077	0.00016	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,1-Dichloroethene	0.00077	U	0.00077	0.00017	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2,3-Trichlorobenzene	0.00077	U	0.00077	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2,4-Trichlorobenzene	0.00077	U	0.00077	0.00027	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2,4-Trimethylbenzene	0.00077	U	0.00077	0.00019	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2-Dibromo-3-Chloropropane	0.00077	U *	0.00077	0.00035	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2-Dichloroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,2-Dichloropropane	0.00077	U	0.00077	0.00032	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,3,5-Trimethylbenzene	0.00077	U	0.00077	0.00024	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,3-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
1,4-Dichlorobenzene	0.00077	U	0.00077	0.00017	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
4-Methyl-2-pentanone (MIBK)	0.0038	U *	0.0038	0.0012	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Acetone	0.0046	U	0.0046	0.0044	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Benzene	0.00077	U	0.00077	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Bromoform	0.00077	U	0.00077	0.00033	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Bromomethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Carbon disulfide	0.00077	U	0.00077	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Carbon tetrachloride	0.00077	U	0.00077	0.00030	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Chlorobenzene	0.00077	U	0.00077	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Chlorobromomethane	0.00077	U *	0.00077	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Chlorodibromomethane	0.00077	U	0.00077	0.00015	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Chloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1

Client Sample ID: 12J3_5-6

Date Collected: 01/24/25 09:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-13

Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.00077	U	0.00077	0.00074	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Chloromethane	0.00077	U	0.00077	0.00033	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
cis-1,2-Dichloroethene	0.00077	U	0.00077	0.00027	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
cis-1,3-Dichloropropene	0.00077	U	0.00077	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Cyclohexane	0.00077	U	0.00077	0.00017	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Dichlorobromomethane	0.00077	U	0.00077	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Dichlorodifluoromethane	0.00077	U	0.00077	0.00026	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Ethylbenzene	0.00077	U	0.00077	0.00015	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Ethylene Dibromide	0.00077	U	0.00077	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Isopropylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Methyl acetate	0.0038	U *	0.0038	0.0033	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Methyl tert-butyl ether	0.00077	U	0.00077	0.00039	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Methylcyclohexane	0.00077	U	0.00077	0.00038	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Methylene Chloride	0.0015	U	0.0015	0.00088	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
m-Xylene & p-Xylene	0.00077	U	0.00077	0.00013	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
n-Butylbenzene	0.00077	U	0.00077	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
N-Propylbenzene	0.00077	U	0.00077	0.00013	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
o-Xylene	0.00077	U	0.00077	0.00015	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
sec-Butylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Styrene	0.00077	U	0.00077	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
tert-Butylbenzene	0.00077	U	0.00077	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Tetrachloroethene	0.00077	U	0.00077	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Toluene	0.00077	U	0.00077	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
trans-1,2-Dichloroethene	0.00077	U	0.00077	0.00019	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
trans-1,3-Dichloropropene	0.00077	U	0.00077	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Trichloroethene	0.00077	U	0.00077	0.00025	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Trichlorofluoromethane	0.00077	U	0.00077	0.00031	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Vinyl chloride	0.00077	U	0.00077	0.00042	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	01/25/25 16:27	01/29/25 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*01/25/25 16:27*	*01/29/25 12:14*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*01/25/25 16:27*	*01/29/25 12:14*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*01/25/25 16:27*	*01/29/25 12:14*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*01/25/25 16:27*	*01/29/25 12:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			01/27/25 07:37	1

Client Sample ID: 12J2_3-4

Date Collected: 01/24/25 08:35
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-14

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1

Client Sample ID: 12J2_3-4
Date Collected: 01/24/25 08:35
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-14
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00016	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2,4-Trimethylbenzene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2-Dibromo-3-Chloropropane	0.00078	U *	0.00078	0.00036	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00025	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00029	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00029	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
4-Methyl-2-pentanone (MIBK)	0.0039	U *	0.0039	0.0012	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Acetone	0.0047	U	0.0047	0.0045	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Benzene	0.00078	U	0.00078	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Bromomethane	0.0016	U	0.0016	0.00078	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chlorobromomethane	0.00078	U *	0.00078	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chlorodibromomethane	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chloroform	0.00078	U	0.00078	0.00076	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00026	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Ethylbenzene	0.00078	U	0.00078	0.00016	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Ethylene Dibromide	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Methyl acetate	0.0039	U *	0.0039	0.0034	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Methylene Chloride	**0.0023**		0.0016	0.00090	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
m-Xylene & p-Xylene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
N-Propylbenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
o-Xylene	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
sec-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
tert-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Toluene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1

Client Sample ID: 12J2_3-4

Date Collected: 01/24/25 08:35
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-14

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
trans-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Vinyl chloride	0.00078	U	0.00078	0.00043	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/25/25 16:27	01/29/25 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*01/25/25 16:27*	*01/29/25 12:37*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*01/25/25 16:27*	*01/29/25 12:37*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*01/25/25 16:27*	*01/29/25 12:37*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/25/25 16:27*	*01/29/25 12:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.0**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**93.0**		1.0	1.0	%			01/27/25 07:37	1

Client Sample ID: 12H2_7-8

Date Collected: 01/24/25 12:25
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-15

Matrix: Solid
Percent Solids: 95.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00047	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
4-Methyl-2-pentanone (MIBK)	0.0051	U *	0.0051	0.0016	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1

Client Sample ID: 12H2_7-8
Date Collected: 01/24/25 12:25
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-15
Matrix: Solid
Percent Solids: 95.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0010	U *	0.0010	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Methyl acetate	0.0051	U *	0.0051	0.0043	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	01/25/25 16:27	01/29/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*01/25/25 16:27*	*01/29/25 13:00*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*01/25/25 16:27*	*01/29/25 13:00*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*01/25/25 16:27*	*01/29/25 13:00*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/25/25 16:27*	*01/29/25 13:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.8**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**95.2**		1.0	1.0	%			01/27/25 07:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12H1_3-4
Date Collected: 01/24/25 11:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-16
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00019	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00016	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00016	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2-Dibromo-3-Chloropropane	0.00087	U *	0.00087	0.00040	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
4-Methyl-2-pentanone (MIBK)	0.0044	U *	0.0044	0.0014	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Benzene	0.00087	U	0.00087	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chlorobenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chlorobromomethane	0.00087	U *	0.00087	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chlorodibromomethane	0.00087	U	0.00087	0.00017	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chloroform	0.00087	U	0.00087	0.00085	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Ethylbenzene	0.00087	U	0.00087	0.00017	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Ethylene Dibromide	0.00087	U	0.00087	0.00016	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Methyl acetate	0.0044	U *	0.0044	0.0037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00045	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Methylcyclohexane	0.00087	U	0.00087	0.00043	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Methylene Chloride	0.0017	U	0.0017	0.0010	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00015	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
n-Butylbenzene	0.00087	U	0.00087	0.00026	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
N-Propylbenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
o-Xylene	0.00087	U	0.00087	0.00017	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1

Client Sample ID: 12H1_3-4

Lab Sample ID: 460-319288-16

Date Collected: 01/24/25 11:55
Date Received: 01/24/25 16:25

Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Tetrachloroethene	0.00087	U	0.00087	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Vinyl chloride	0.00087	U	0.00087	0.00048	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	01/25/25 16:28	01/29/25 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*01/25/25 16:28*	*01/29/25 13:23*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*01/25/25 16:28*	*01/29/25 13:23*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*01/25/25 16:28*	*01/29/25 13:23*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/25/25 16:28*	*01/29/25 13:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			01/27/25 07:37	1

Client Sample ID: 12G1_5-6

Lab Sample ID: 460-319288-17

Date Collected: 01/24/25 14:08
Date Received: 01/24/25 16:25

Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00048	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
4-Methyl-2-pentanone (MIBK)	0.0052	U *	0.0052	0.0016	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1

Client Sample ID: 12G1_5-6
Date Collected: 01/24/25 14:08
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-17
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chlorobromomethane	0.0010	U *	0.0010	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Ethylene Dibromide	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Methyl acetate	0.0052	U *	0.0052	0.0044	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	01/25/25 16:28	01/29/25 13:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*01/25/25 16:28*	*01/29/25 13:46*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*01/25/25 16:28*	*01/29/25 13:46*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*01/25/25 16:28*	*01/29/25 13:46*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/25/25 16:28*	*01/29/25 13:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			01/27/25 07:12	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			01/27/25 07:12	1

Client Sample ID: 12G2_4-5
Date Collected: 01/24/25 14:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-18
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2-Dibromo-3-Chloropropane	0.0012	U *	0.0012	0.00056	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
2-Butanone (MEK)	0.0061	U	0.0061	0.00045	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
4-Methyl-2-pentanone (MIBK)	0.0061	U *	0.0061	0.0019	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Acetone	**0.0077**		0.0073	0.0070	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chlorobromomethane	0.0012	U *	0.0012	0.00034	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Cyclohexane	**0.0028**		0.0012	0.00027	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Methyl acetate	0.0061	U *	0.0061	0.0052	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Methylcyclohexane	**0.0014**		0.0012	0.00061	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12G2_4-5
Date Collected: 01/24/25 14:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-18
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	01/25/25 16:28	01/29/25 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/25/25 16:28*	*01/29/25 14:09*	*1*
4-Bromofluorobenzene	*87*		*71 - 128*	*01/25/25 16:28*	*01/29/25 14:09*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*01/25/25 16:28*	*01/29/25 14:09*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*01/25/25 16:28*	*01/29/25 14:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.0**		1.0	1.0	%			01/27/25 07:37	1
Percent Solids (EPA Moisture)	**91.0**		1.0	1.0	%			01/27/25 07:37	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319288-11	12I2_7-8	107	92	113	90
460-319288-12	12I2_1-2	106	85	110	89
460-319288-13	12J3_5-6	111	91	115	90
460-319288-14	12J2_3-4	110	91	114	91
460-319288-15	12H2_7-8	111	88	114	89
460-319288-16	12H1_3-4	111	86	116	89
460-319288-17	12G1_5-6	111	88	115	89
460-319288-18	12G2_4-5	106	87	113	90
LCS 460-1018519/3	Lab Control Sample	104	87	112	92
LCSD 460-1018519/4	Lab Control Sample Dup	105	87	112	90
MB 460-1018519/7	Method Blank	104	85	113	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-318513-E-3-B MS	Matrix Spike	84	80	87	81	92	86
460-318513-E-3-C MSD	Matrix Spike Duplicate	100	84	100	92	96	83
460-319276-H-1-A MS	Matrix Spike	76	68	73	74	75	67
460-319276-H-1-B MSD	Matrix Spike Duplicate	75	68	73	74	75	67
460-319288-1	12J_0-6	69	65	77	74	75	69
460-319288-2	12J_6-12	79	66	71	83	78	68
460-319288-5	12G_0-5	74	67	71	71	70	67
460-319288-6	12G_5-10	82	75	72	79	76	78
460-319288-7	12H_0-5	84	76	88	79	85	86
460-319288-8	12H_5-10	66	65	69	61	69	69
460-319288-9	12I_0-6	82	75	86	70	81	76
460-319288-10	12I_6-12	87	89	82	85	80	73
LCS 460-1018385/2-A	Lab Control Sample	87	80	86	87	88	77
LCS 460-1018512/2-A	Lab Control Sample	85	80	80	81	83	69
LCSD 460-1018385/3-A	Lab Control Sample Dup	89	81	88	89	89	78
LCSD 460-1018512/3-A	Lab Control Sample Dup	80	73	80	80	82	70
MB 460-1018385/1-A	Method Blank	85	82	90	89	89	85
MB 460-1018512/1-A	Method Blank	72	67	71	67	70	69

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-319288-1	12J_0-6	79	86	63	64
460-319288-2	12J_6-12	82	86	64	64
460-319288-5	12G_0-5	77	80	63	62
460-319288-6	12G_5-10	101	108	88	89
460-319288-7	12H_0-5	89	95	74	74
460-319288-8	12H_5-10	86	89	71	71
460-319288-9	12I_0-6	73	80	64	62
460-319288-10	12I_6-12	90	96	67	67
460-319394-D-2-G MS	Matrix Spike	95	110	84	84
460-319394-D-2-H MSD	Matrix Spike Duplicate	89	97	79	75
LCS 460-1018566/2-A	Lab Control Sample	95	109	90	83
LCSD 460-1018566/3-A	Lab Control Sample Dup	98	114	91	90
MB 460-1018566/1-A	Method Blank	90	100	82	83

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-319288-1	12J_0-6	126	120	105	103
460-319288-2	12J_6-12	115	126	96	98
460-319288-5	12G_0-5	101	114	94	102
460-319288-6	12G_5-10	131	133	116	120
460-319288-7	12H_0-5	125	129	104	107
460-319288-8	12H_5-10	117	124	100	102
460-319288-9	12I_0-6	113	129	96	97
460-319288-10	12I_6-12	132	134	104	98
460-319394-D-2-D MS	Matrix Spike	77	71	68	66
460-319394-D-2-E MSD	Matrix Spike Duplicate	90	89	80	79
LCS 460-1018564/2-A	Lab Control Sample	97	104	92	92
LCSD 460-1018564/3-A	Lab Control Sample Dup	109	105	102	93
MB 460-1018564/1-A	Method Blank	86	91	83	84

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-319288-1	12J_0-6	90.0	94.2	95.2	97.6	90.6	90.5	84.6	83.3
460-319288-1 DU	12J_0-6	92.4	94.6	96.8	95.7	91.2	90.8	88.4	90.3
460-319288-2	12J_6-12	90.3	92.2	93.2	88.2	93.6	93.0	89.9	85.5
460-319288-7	12H_0-5	89.8	87.8	97.8	94.7	89.4	88.2	87.0	80.5
460-319288-8	12H_5-10	91.9	91.9	92.5	95.0	94.9	91.3	90.8	86.8
460-319288-9	12I_0-6	92.5	99.7	97.3	95.2	93.9	92.7	89.2	88.6
460-319288-10	12I_6-12	93.9	93.2	94.6	87.8	90.7	91.9	89.5	87.8
LCS 240-642896/3-A	Lab Control Sample	89.8	88.3	89.5	92.3	93.6	89.3	90.7	85.5
LLCS 240-642896/2-A	Lab Control Sample	91.8	98.7	93.2	99.0	91.7	91.2	85.9	83.6
MB 240-642896/1-A	Method Blank	91.6	93.1	91.1	89.7	91.7	94.1	84.5	85.2

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-319288-1	12J_0-6	78.0	95.6	88.8	90.2	87.3	83.8	72.0	99.3
460-319288-1 DU	12J_0-6	76.7	91.4	88.1	89.0	85.5	79.4	101	103
460-319288-2	12J_6-12	68.1	91.5	90.8	87.7	85.1	74.6	75.9	101
460-319288-7	12H_0-5	72.3	91.4	88.3	87.8	84.0	78.3	83.1	98.8
460-319288-8	12H_5-10	82.7	91.0	89.3	91.6	89.9	80.6	80.2	103
460-319288-9	12I_0-6	80.2	88.3	88.4	92.5	89.0	81.5	77.1	104
460-319288-10	12I_6-12	73.4	89.6	87.5	91.5	86.2	77.9	77.7	101
LCS 240-642896/3-A	Lab Control Sample	64.8	97.5	87.8	91.2	85.5	76.4	67.7	107
LLCS 240-642896/2-A	Lab Control Sample	58.7	90.4	87.1	87.3	84.2	75.0	67.2	99.8
MB 240-642896/1-A	Method Blank	60.0	93.8	91.7	92.6	85.8	79.8	70.0	105

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-319288-1	12J_0-6	109	105	99.1	74.6	70.3	69.2	75.1	80.8
460-319288-1 DU	12J_0-6	109	112	96.5	73.6	69.4	69.5	72.5	87.7
460-319288-2	12J_6-12	106	104	95.2	74.3	66.2	62.8	73.7	74.7
460-319288-7	12H_0-5	99.9	103	97.2	74.1	70.4	65.5	74.1	77.6
460-319288-8	12H_5-10	109	104	103	74.0	73.0	69.3	72.2	84.6
460-319288-9	12I_0-6	110	110	112	73.3	73.6	68.6	74.6	85.8
460-319288-10	12I_6-12	112	106	92.4	72.8	71.8	69.0	71.5	85.5
LCS 240-642896/3-A	Lab Control Sample	106	99.4	88.8	74.2	72.6	60.9	62.9	74.9
LLCS 240-642896/2-A	Lab Control Sample	106	91.6	98.4	73.2	68.7	59.4	62.0	74.4
MB 240-642896/1-A	Method Blank	109	104	87.5	78.1	75.2	62.1	69.3	69.7

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1018519/7
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 08:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/29/25 08:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/29/25 08:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 08:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/29/25 08:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 08:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 08:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 08:45	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/29/25 08:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/29/25 08:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 08:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/29/25 08:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/29/25 08:45	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/29/25 08:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/29/25 08:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 08:45	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/29/25 08:45	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/29/25 08:45	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/29/25 08:45	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/29/25 08:45	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/29/25 08:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/29/25 08:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/29/25 08:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 08:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/29/25 08:45	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 08:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 08:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/29/25 08:45	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/29/25 08:45	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/29/25 08:45	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/29/25 08:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/29/25 08:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 08:45	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/29/25 08:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/29/25 08:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/29/25 08:45	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/29/25 08:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 08:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 08:45	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/29/25 08:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/29/25 08:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/29/25 08:45	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/29/25 08:45	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/29/25 08:45	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 08:45	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/29/25 08:45	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/29/25 08:45	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/29/25 08:45	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018519/7
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 08:45	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/29/25 08:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/29/25 08:45	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/29/25 08:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/29/25 08:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/29/25 08:45	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/29/25 08:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/29/25 08:45	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/29/25 08:45	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/29/25 08:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*		*01/29/25 08:45*	*1*
4-Bromofluorobenzene	*85*		*71 - 128*		*01/29/25 08:45*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*		*01/29/25 08:45*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*01/29/25 08:45*	*1*

Lab Sample ID: LCS 460-1018519/3
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0178		mg/Kg		89	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0211		mg/Kg		106	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0208		mg/Kg		104	75 - 121
1,1,2-Trichloroethane	0.0200	0.0211		mg/Kg		105	80 - 120
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	72 - 120
1,1-Dichloroethene	0.0200	0.0212		mg/Kg		106	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0199		mg/Kg		100	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0189		mg/Kg		95	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0171		mg/Kg		85	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0251	*	mg/Kg		125	80 - 124
1,2-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 123
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	70 - 120
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
2-Butanone (MEK)	0.100	0.0822		mg/Kg		82	64 - 128
2-Hexanone	0.100	0.0775		mg/Kg		78	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0770	*	mg/Kg		77	80 - 120
Acetone	0.100	0.0697		mg/Kg		70	58 - 122
Benzene	0.0200	0.0182		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0215		mg/Kg		107	61 - 125
Bromomethane	0.0200	0.0249		mg/Kg		124	37 - 150
Carbon disulfide	0.0200	0.0196		mg/Kg		98	57 - 133
Carbon tetrachloride	0.0200	0.0172		mg/Kg		86	66 - 127
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018519/3
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chlorobromomethane			0.0200	0.0262	*	mg/Kg		131	76 - 127		
Chlorodibromomethane			0.0200	0.0196		mg/Kg		98	72 - 120		
Chloroethane			0.0200	0.0175		mg/Kg		88	60 - 123		
Chloroform			0.0200	0.0196		mg/Kg		98	79 - 126		
Chloromethane			0.0200	0.0150		mg/Kg		75	46 - 122		
cis-1,2-Dichloroethene			0.0200	0.0222		mg/Kg		111	80 - 123		
cis-1,3-Dichloropropene			0.0200	0.0178		mg/Kg		89	75 - 120		
Cyclohexane			0.0200	0.0220		mg/Kg		110	65 - 132		
Dichlorobromomethane			0.0200	0.0201		mg/Kg		101	77 - 124		
Dichlorodifluoromethane			0.0200	0.0175		mg/Kg		87	45 - 129		
Ethylbenzene			0.0200	0.0193		mg/Kg		96	80 - 120		
Ethylene Dibromide			0.0200	0.0217		mg/Kg		108	79 - 120		
Isopropylbenzene			0.0200	0.0179		mg/Kg		90	74 - 120		
Methyl acetate			0.0400	0.0456		mg/Kg		114	57 - 120		
Methyl tert-butyl ether			0.0200	0.0225		mg/Kg		112	74 - 125		
Methylcyclohexane			0.0200	0.0218		mg/Kg		109	66 - 125		
Methylene Chloride			0.0200	0.0218		mg/Kg		109	78 - 120		
m-Xylene & p-Xylene			0.0200	0.0191		mg/Kg		96	80 - 120		
n-Butylbenzene			0.0200	0.0174		mg/Kg		87	72 - 120		
N-Propylbenzene			0.0200	0.0175		mg/Kg		87	68 - 120		
o-Xylene			0.0200	0.0194		mg/Kg		97	80 - 120		
sec-Butylbenzene			0.0200	0.0181		mg/Kg		90	78 - 120		
Styrene			0.0200	0.0199		mg/Kg		100	80 - 120		
tert-Butylbenzene			0.0200	0.0175		mg/Kg		88	80 - 120		
Tetrachloroethene			0.0200	0.0184		mg/Kg		92	73 - 120		
Toluene			0.0200	0.0183		mg/Kg		92	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0213		mg/Kg		106	78 - 120		
trans-1,3-Dichloropropene			0.0200	0.0175		mg/Kg		88	77 - 120		
Trichloroethene			0.0200	0.0216		mg/Kg		108	80 - 120		
Trichlorofluoromethane			0.0200	0.0164		mg/Kg		82	61 - 130		
Vinyl chloride			0.0200	0.0185		mg/Kg		93	54 - 122		
Xylenes, Total			0.0400	0.0386		mg/Kg		96	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*
4-Bromofluorobenzene	*87*		*71 - 128*
Dibromofluoromethane (Surr)	*112*		*50 - 150*
Toluene-d8 (Surr)	*92*		*71 - 126*

Lab Sample ID: LCSD 460-1018519/4
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0176		mg/Kg		88	78 - 120	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0231		mg/Kg		115	70 - 133	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0209		mg/Kg		104	75 - 121	0	30
1,1,2-Trichloroethane			0.0200	0.0212		mg/Kg		106	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018519/4
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	72 - 120	0	30
1,1-Dichloroethene	0.0200	0.0216		mg/Kg		108	76 - 120	2	30
1,2,3-Trichlorobenzene	0.0200	0.0195		mg/Kg		98	77 - 137	2	30
1,2,4-Trichlorobenzene	0.0200	0.0174		mg/Kg		87	77 - 136	8	30
1,2,4-Trimethylbenzene	0.0200	0.0167		mg/Kg		84	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0268	*	mg/Kg		134	80 - 124	7	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123	2	30
1,2-Dichloropropane	0.0200	0.0206		mg/Kg		103	73 - 124	2	30
1,3,5-Trimethylbenzene	0.0200	0.0169		mg/Kg		84	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0790		mg/Kg		79	64 - 128	4	30
2-Hexanone	0.100	0.0772		mg/Kg		77	75 - 120	0	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0756	*	mg/Kg		76	80 - 120	2	30
Acetone	0.100	0.0664		mg/Kg		66	58 - 122	5	30
Benzene	0.0200	0.0182		mg/Kg		91	75 - 120	0	30
Bromoform	0.0200	0.0222		mg/Kg		111	61 - 125	4	30
Bromomethane	0.0200	0.0240		mg/Kg		120	37 - 150	3	30
Carbon disulfide	0.0200	0.0194		mg/Kg		97	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0171		mg/Kg		86	66 - 127	0	30
Chlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120	0	30
Chlorobromomethane	0.0200	0.0266	*	mg/Kg		133	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0201		mg/Kg		100	72 - 120	2	30
Chloroethane	0.0200	0.0168		mg/Kg		84	60 - 123	4	30
Chloroform	0.0200	0.0195		mg/Kg		98	79 - 126	0	30
Chloromethane	0.0200	0.0141		mg/Kg		71	46 - 122	6	30
cis-1,2-Dichloroethene	0.0200	0.0220		mg/Kg		110	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0179		mg/Kg		90	75 - 120	1	30
Cyclohexane	0.0200	0.0217		mg/Kg		109	65 - 132	1	30
Dichlorobromomethane	0.0200	0.0200		mg/Kg		100	77 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0167		mg/Kg		83	45 - 129	5	30
Ethylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120	1	30
Ethylene Dibromide	0.0200	0.0221		mg/Kg		111	79 - 120	2	30
Isopropylbenzene	0.0200	0.0176		mg/Kg		88	74 - 120	2	30
Methyl acetate	0.0400	0.0485	*	mg/Kg		121	57 - 120	6	30
Methyl tert-butyl ether	0.0200	0.0232		mg/Kg		116	74 - 125	3	30
Methylcyclohexane	0.0200	0.0220		mg/Kg		110	66 - 125	1	30
Methylene Chloride	0.0200	0.0219		mg/Kg		109	78 - 120	0	30
m-Xylene & p-Xylene	0.0200	0.0189		mg/Kg		94	80 - 120	1	30
n-Butylbenzene	0.0200	0.0168		mg/Kg		84	72 - 120	3	30
N-Propylbenzene	0.0200	0.0170		mg/Kg		85	68 - 120	3	30
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	1	30
sec-Butylbenzene	0.0200	0.0178		mg/Kg		89	78 - 120	1	30
Styrene	0.0200	0.0197		mg/Kg		99	80 - 120	1	30
tert-Butylbenzene	0.0200	0.0174		mg/Kg		87	80 - 120	1	30
Tetrachloroethene	0.0200	0.0184		mg/Kg		92	73 - 120	0	30
Toluene	0.0200	0.0183		mg/Kg		92	80 - 120	0	30
trans-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		108	78 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018519/4
Matrix: Solid
Analysis Batch: 1018519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		89	77 - 120	2	30
Trichloroethene			0.0200	0.0210		mg/Kg		105	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0156		mg/Kg		78	61 - 130	5	30
Vinyl chloride			0.0200	0.0181		mg/Kg		90	54 - 122	2	30
Xylenes, Total			0.0400	0.0380		mg/Kg		95	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*87*		*71 - 128*
Dibromofluoromethane (Surr)	*112*		*50 - 150*
Toluene-d8 (Surr)	*90*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1018385/1-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/28/25 10:19	01/28/25 22:05	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018385/1-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/28/25 10:19	01/28/25 22:05	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/28/25 10:19	01/28/25 22:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*01/28/25 10:19*	*01/28/25 22:05*	*1*
2-Fluorobiphenyl	*82*		*38 - 128*	*01/28/25 10:19*	*01/28/25 22:05*	*1*
2-Fluorophenol (Surr)	*90*		*31 - 133*	*01/28/25 10:19*	*01/28/25 22:05*	*1*
Nitrobenzene-d5 (Surr)	*89*		*31 - 120*	*01/28/25 10:19*	*01/28/25 22:05*	*1*
Phenol-d5 (Surr)	*89*		*35 - 132*	*01/28/25 10:19*	*01/28/25 22:05*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*01/28/25 10:19*	*01/28/25 22:05*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018385/2-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.00		mg/Kg		90	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.92		mg/Kg		88	60 - 120
1,4-Dioxane	3.33	2.81		mg/Kg		84	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.43		mg/Kg		103	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.10		mg/Kg		93	62 - 120
2,4,5-Trichlorophenol	3.33	3.08		mg/Kg		92	64 - 120
2,4,6-Trichlorophenol	3.33	3.17		mg/Kg		95	65 - 120
2,4-Dichlorophenol	3.33	3.19		mg/Kg		96	66 - 120
2,4-Dimethylphenol	3.33	3.75		mg/Kg		112	46 - 120
2,4-Dinitrophenol	6.67	6.78		mg/Kg		102	41 - 129
2,4-Dinitrotoluene	3.33	3.45		mg/Kg		103	65 - 124
2,6-Dinitrotoluene	3.33	3.34		mg/Kg		100	67 - 121
2-Chloronaphthalene	3.33	3.02		mg/Kg		91	64 - 120
2-Chlorophenol	3.33	3.12		mg/Kg		93	63 - 120
2-Methylnaphthalene	3.33	2.70		mg/Kg		81	64 - 120
2-Methylphenol	3.33	3.30		mg/Kg		99	63 - 120
2-Nitroaniline	3.33	3.29		mg/Kg		99	48 - 120
2-Nitrophenol	3.33	3.25		mg/Kg		97	64 - 120
3 & 4 Methylphenol	3.33	3.19		mg/Kg		96	61 - 120
3,3'-Dichlorobenzidine	3.33	1.32		mg/Kg		40	10 - 120
3-Nitroaniline	3.33	1.72		mg/Kg		52	18 - 122
4,6-Dinitro-2-methylphenol	6.67	6.85		mg/Kg		103	58 - 136
4-Bromophenyl phenyl ether	3.33	3.00		mg/Kg		90	60 - 120
4-Chloro-3-methylphenol	3.33	3.27		mg/Kg		98	66 - 120
4-Chloroaniline	3.33	1.47		mg/Kg		44	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.02		mg/Kg		91	62 - 120
4-Methylphenol	3.33	3.19		mg/Kg		96	61 - 120
4-Nitroaniline	3.33	2.93		mg/Kg		88	51 - 120
4-Nitrophenol	6.67	6.44		mg/Kg		97	42 - 132
Acenaphthene	3.33	3.14		mg/Kg		94	65 - 120
Acenaphthylene	3.33	3.29		mg/Kg		99	64 - 120
Acetophenone	3.33	3.08		mg/Kg		92	61 - 120
Anthracene	3.33	3.12		mg/Kg		94	67 - 120
Atrazine	1.33	1.82		mg/Kg		136	32 - 150
Benzaldehyde	1.33	1.70		mg/Kg		127	28 - 150
Benzo[a]anthracene	3.33	2.95		mg/Kg		88	66 - 120
Benzo[a]pyrene	3.33	3.31		mg/Kg		99	73 - 123
Benzo[b]fluoranthene	3.33	3.08		mg/Kg		92	70 - 125
Benzo[g,h,i]perylene	3.33	3.17		mg/Kg		95	66 - 120
Benzo[k]fluoranthene	3.33	3.28		mg/Kg		98	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.16		mg/Kg		95	62 - 120
Bis(2-chloroethyl)ether	3.33	3.05		mg/Kg		92	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.35		mg/Kg		100	64 - 125
Butyl benzyl phthalate	3.33	3.18		mg/Kg		95	62 - 127
Caprolactam	1.33	1.88		mg/Kg		141	36 - 150
Carbazole	3.33	3.08		mg/Kg		92	64 - 120
Chrysene	3.33	2.99		mg/Kg		90	67 - 120
Dibenz(a,h)anthracene	3.33	3.11		mg/Kg		93	66 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018385/2-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018385

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Dibenzofuran			3.33	3.03		mg/Kg		91	61 - 120		
Diethyl phthalate			3.33	3.16		mg/Kg		95	63 - 120		
Dimethyl phthalate			3.33	3.07		mg/Kg		92	65 - 120		
Di-n-butyl phthalate			3.33	3.11		mg/Kg		93	66 - 120		
Di-n-octyl phthalate			3.33	3.31		mg/Kg		99	61 - 123		
Fluoranthene			3.33	3.09		mg/Kg		93	61 - 120		
Fluorene			3.33	3.15		mg/Kg		95	64 - 120		
Hexachlorobenzene			3.33	2.87		mg/Kg		86	66 - 120		
Hexachlorobutadiene			3.33	2.89		mg/Kg		87	62 - 120		
Hexachlorocyclopentadiene			3.33	4.41	*	mg/Kg		132	13 - 120		
Hexachloroethane			3.33	3.10		mg/Kg		93	61 - 120		
Indeno[1,2,3-cd]pyrene			3.33	2.98		mg/Kg		89	71 - 137		
Isophorone			3.33	3.30		mg/Kg		99	61 - 120		
Naphthalene			3.33	3.08		mg/Kg		92	63 - 120		
Nitrobenzene			3.33	3.29		mg/Kg		99	63 - 120		
N-Nitrosodi-n-propylamine			3.33	3.39		mg/Kg		102	56 - 120		
N-Nitrosodiphenylamine			3.33	3.04		mg/Kg		91	63 - 120		
Pentachlorophenol			6.67	6.56		mg/Kg		98	61 - 126		
Phenanthrene			3.33	3.07		mg/Kg		92	66 - 120		
Phenol			3.33	3.22		mg/Kg		97	63 - 120		
Pyrene			3.33	3.09		mg/Kg		93	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*80*		*38 - 128*
2-Fluorophenol (Surr)	*86*		*31 - 133*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*
Phenol-d5 (Surr)	*88*		*35 - 132*
Terphenyl-d14 (Surr)	*77*		*44 - 147*

Lab Sample ID: LCSD 460-1018385/3-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.19		mg/Kg		96	64 - 120	6	30
1,2,4,5-Tetrachlorobenzene			3.33	3.10		mg/Kg		93	60 - 120	6	30
1,4-Dioxane			3.33	2.95		mg/Kg		89	27 - 120	5	30
2,2'-oxybis[1-chloropropane]			3.33	3.61		mg/Kg		108	46 - 126	5	30
2,3,4,6-Tetrachlorophenol			3.33	3.30		mg/Kg		99	62 - 120	6	30
2,4,5-Trichlorophenol			3.33	3.27		mg/Kg		98	64 - 120	6	30
2,4,6-Trichlorophenol			3.33	3.33		mg/Kg		100	65 - 120	5	30
2,4-Dichlorophenol			3.33	3.39		mg/Kg		102	66 - 120	6	30
2,4-Dimethylphenol			3.33	3.91		mg/Kg		117	46 - 120	4	30
2,4-Dinitrophenol			6.67	7.17		mg/Kg		108	41 - 129	6	30
2,4-Dinitrotoluene			3.33	3.64		mg/Kg		109	65 - 124	5	30
2,6-Dinitrotoluene			3.33	3.57		mg/Kg		107	67 - 121	6	30
2-Chloronaphthalene			3.33	3.14		mg/Kg		94	64 - 120	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018385/3-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorophenol			3.33	3.27		mg/Kg		98	63 - 120	5	30
2-Methylnaphthalene			3.33	2.86		mg/Kg		86	64 - 120	6	30
2-Methylphenol			3.33	3.47		mg/Kg		104	63 - 120	5	30
2-Nitroaniline			3.33	3.51		mg/Kg		105	48 - 120	7	30
2-Nitrophenol			3.33	3.49		mg/Kg		105	64 - 120	7	30
3 & 4 Methylphenol			3.33	3.37		mg/Kg		101	61 - 120	6	30
3,3'-Dichlorobenzidine			3.33	1.40		mg/Kg		42	10 - 120	6	30
3-Nitroaniline			3.33	1.69		mg/Kg		51	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	7.26		mg/Kg		109	58 - 136	6	30
4-Bromophenyl phenyl ether			3.33	3.21		mg/Kg		96	60 - 120	7	30
4-Chloro-3-methylphenol			3.33	3.45		mg/Kg		103	66 - 120	5	30
4-Chloroaniline			3.33	1.49		mg/Kg		45	10 - 120	2	30
4-Chlorophenyl phenyl ether			3.33	3.20		mg/Kg		96	62 - 120	6	30
4-Methylphenol			3.33	3.37		mg/Kg		101	61 - 120	6	30
4-Nitroaniline			3.33	3.09		mg/Kg		93	51 - 120	5	30
4-Nitrophenol			6.67	6.93		mg/Kg		104	42 - 132	7	30
Acenaphthene			3.33	3.37		mg/Kg		101	65 - 120	7	30
Acenaphthylene			3.33	3.45		mg/Kg		103	64 - 120	5	30
Acetophenone			3.33	3.26		mg/Kg		98	61 - 120	6	30
Anthracene			3.33	3.32		mg/Kg		100	67 - 120	6	30
Atrazine			1.33	1.60		mg/Kg		120	32 - 150	12	30
Benzaldehyde			1.33	1.46		mg/Kg		109	28 - 150	15	30
Benzo[a]anthracene			3.33	3.15		mg/Kg		95	66 - 120	7	30
Benzo[a]pyrene			3.33	3.53		mg/Kg		106	73 - 123	6	30
Benzo[b]fluoranthene			3.33	3.32		mg/Kg		100	70 - 125	8	30
Benzo[g,h,i]perylene			3.33	3.40		mg/Kg		102	66 - 120	7	30
Benzo[k]fluoranthene			3.33	3.44		mg/Kg		103	67 - 122	5	30
Bis(2-chloroethoxy)methane			3.33	3.35		mg/Kg		101	62 - 120	6	30
Bis(2-chloroethyl)ether			3.33	3.25		mg/Kg		98	60 - 120	6	30
Bis(2-ethylhexyl) phthalate			3.33	3.54		mg/Kg		106	64 - 125	6	30
Butyl benzyl phthalate			3.33	3.42		mg/Kg		103	62 - 127	7	30
Caprolactam			1.33	1.63		mg/Kg		122	36 - 150	14	30
Carbazole			3.33	3.29		mg/Kg		99	64 - 120	6	30
Chrysene			3.33	3.20		mg/Kg		96	67 - 120	7	30
Dibenz(a,h)anthracene			3.33	3.33		mg/Kg		100	66 - 128	7	30
Dibenzofuran			3.33	3.20		mg/Kg		96	61 - 120	5	30
Diethyl phthalate			3.33	3.32		mg/Kg		100	63 - 120	5	30
Dimethyl phthalate			3.33	3.23		mg/Kg		97	65 - 120	5	30
Di-n-butyl phthalate			3.33	3.30		mg/Kg		99	66 - 120	6	30
Di-n-octyl phthalate			3.33	3.56		mg/Kg		107	61 - 123	8	30
Fluoranthene			3.33	3.30		mg/Kg		99	61 - 120	6	30
Fluorene			3.33	3.31		mg/Kg		99	64 - 120	5	30
Hexachlorobenzene			3.33	3.07		mg/Kg		92	66 - 120	7	30
Hexachlorobutadiene			3.33	3.07		mg/Kg		92	62 - 120	6	30
Hexachlorocyclopentadiene			3.33	4.64	*	mg/Kg		139	13 - 120	5	30
Hexachloroethane			3.33	3.31		mg/Kg		99	61 - 120	6	30
Indeno[1,2,3-cd]pyrene			3.33	3.39		mg/Kg		102	71 - 137	13	30
Isophorone			3.33	3.47		mg/Kg		104	61 - 120	5	30
Naphthalene			3.33	3.23		mg/Kg		97	63 - 120	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018385/3-A
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018385

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene			3.33	3.53		mg/Kg		106	63 - 120	7	30
N-Nitrosodi-n-propylamine			3.33	3.61		mg/Kg		108	56 - 120	6	30
N-Nitrosodiphenylamine			3.33	3.25		mg/Kg		97	63 - 120	7	30
Pentachlorophenol			6.67	7.01		mg/Kg		105	61 - 126	7	30
Phenanthrene			3.33	3.28		mg/Kg		98	66 - 120	7	30
Phenol			3.33	3.43		mg/Kg		103	63 - 120	6	30
Pyrene			3.33	3.29		mg/Kg		99	61 - 121	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*
2-Fluorobiphenyl	*81*		*38 - 128*
2-Fluorophenol (Surr)	*88*		*31 - 133*
Nitrobenzene-d5 (Surr)	*89*		*31 - 120*
Phenol-d5 (Surr)	*89*		*35 - 132*
Terphenyl-d14 (Surr)	*78*		*44 - 147*

Lab Sample ID: 460-318513-E-3-B MS
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.33	U	3.37	2.45		mg/Kg	☼	73	64 - 120
1,2,4,5-Tetrachlorobenzene	0.33	U	3.37	2.60		mg/Kg	☼	77	60 - 120
1,4-Dioxane	0.033	U	3.37	1.92		mg/Kg	☼	57	27 - 120
2,2'-oxybis[1-chloropropane]	0.33	U	3.37	2.63		mg/Kg	☼	78	46 - 126
2,3,4,6-Tetrachlorophenol	0.33	U	3.37	2.72		mg/Kg	☼	81	62 - 120
2,4,5-Trichlorophenol	0.33	U	3.37	2.67		mg/Kg	☼	79	64 - 120
2,4,6-Trichlorophenol	0.13	U	3.37	2.74		mg/Kg	☼	81	65 - 120
2,4-Dichlorophenol	0.13	U	3.37	2.57		mg/Kg	☼	76	66 - 120
2,4-Dimethylphenol	0.33	U	3.37	3.07		mg/Kg	☼	91	46 - 120
2,4-Dinitrophenol	0.27	U	6.74	3.69		mg/Kg	☼	55	41 - 129
2,4-Dinitrotoluene	0.068	U	3.37	3.08		mg/Kg	☼	91	65 - 124
2,6-Dinitrotoluene	0.068	U	3.37	3.01		mg/Kg	☼	89	67 - 121
2-Chloronaphthalene	0.33	U	3.37	2.45		mg/Kg	☼	73	64 - 120
2-Chlorophenol	0.33	U	3.37	2.72		mg/Kg	☼	81	63 - 120
2-Methylnaphthalene	0.33	U	3.37	2.22		mg/Kg	☼	66	64 - 120
2-Methylphenol	0.33	U	3.37	2.76		mg/Kg	☼	82	63 - 120
2-Nitroaniline	0.33	U	3.37	2.56		mg/Kg	☼	76	48 - 120
2-Nitrophenol	0.33	U	3.37	2.62		mg/Kg	☼	78	64 - 120
3 & 4 Methylphenol	0.33	U	3.37	2.57		mg/Kg	☼	76	61 - 120
3,3'-Dichlorobenzidine	0.13	U	3.37	1.85		mg/Kg	☼	55	10 - 120
3-Nitroaniline	0.33	U	3.37	2.03		mg/Kg	☼	60	18 - 122
4,6-Dinitro-2-methylphenol	0.27	U	6.74	5.06		mg/Kg	☼	75	58 - 136
4-Bromophenyl phenyl ether	0.33	U	3.37	2.60		mg/Kg	☼	77	60 - 120
4-Chloro-3-methylphenol	0.33	U	3.37	2.65		mg/Kg	☼	78	66 - 120
4-Chloroaniline	0.33	U	3.37	1.60		mg/Kg	☼	48	10 - 120
4-Chlorophenyl phenyl ether	0.33	U	3.37	2.56		mg/Kg	☼	76	62 - 120
4-Methylphenol	0.33	U	3.37	2.57		mg/Kg	☼	76	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318513-E-3-B MS
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4-Nitroaniline	0.33	U	3.37	2.34		mg/Kg	☼	69	51 - 120
4-Nitrophenol	0.68	U	6.74	5.56		mg/Kg	☼	82	42 - 132
Acenaphthene	0.33	U	3.37	2.61		mg/Kg	☼	78	65 - 120
Acenaphthylene	0.33	U	3.37	2.92		mg/Kg	☼	87	64 - 120
Acetophenone	0.33	U	3.37	2.44		mg/Kg	☼	72	61 - 120
Anthracene	0.33	U	3.37	2.82		mg/Kg	☼	84	67 - 120
Atrazine	0.13	U	1.35	1.86		mg/Kg	☼	138	32 - 150
Benzaldehyde	0.33	U	1.35	1.69	E	mg/Kg	☼	125	28 - 150
Benzo[a]anthracene	0.033	U	3.37	2.69		mg/Kg	☼	80	66 - 120
Benzo[a]pyrene	0.033	U	3.37	3.13		mg/Kg	☼	93	73 - 123
Benzo[b]fluoranthene	0.033	U	3.37	2.94		mg/Kg	☼	87	70 - 125
Benzo[g,h,i]perylene	0.33	U	3.37	3.00		mg/Kg	☼	89	66 - 120
Benzo[k]fluoranthene	0.033	U	3.37	2.99		mg/Kg	☼	89	67 - 122
Bis(2-chloroethoxy)methane	0.33	U	3.37	2.52		mg/Kg	☼	75	62 - 120
Bis(2-chloroethyl)ether	0.033	U	3.37	2.70		mg/Kg	☼	80	60 - 120
Bis(2-ethylhexyl) phthalate	0.33	U	3.37	2.92		mg/Kg	☼	87	64 - 125
Butyl benzyl phthalate	0.33	U	3.37	3.00		mg/Kg	☼	89	62 - 127
Caprolactam	0.33	U	1.35	1.59		mg/Kg	☼	118	36 - 150
Carbazole	0.33	U	3.37	2.79		mg/Kg	☼	83	64 - 120
Chrysene	0.33	U	3.37	2.67		mg/Kg	☼	79	67 - 120
Dibenz(a,h)anthracene	0.033	U	3.37	2.99		mg/Kg	☼	89	66 - 128
Dibenzofuran	0.33	U	3.37	2.73		mg/Kg	☼	81	61 - 120
Diethyl phthalate	0.33	U	3.37	2.79		mg/Kg	☼	83	63 - 120
Dimethyl phthalate	0.33	U	3.37	2.51		mg/Kg	☼	75	65 - 120
Di-n-butyl phthalate	0.013	J	3.37	2.80		mg/Kg	☼	83	66 - 120
Di-n-octyl phthalate	0.33	U	3.37	3.15		mg/Kg	☼	94	61 - 123
Fluoranthene	0.33	U	3.37	2.61		mg/Kg	☼	78	61 - 120
Fluorene	0.33	U	3.37	2.63		mg/Kg	☼	78	64 - 120
Hexachlorobenzene	0.033	U	3.37	2.53		mg/Kg	☼	75	66 - 120
Hexachlorobutadiene	0.068	U	3.37	2.53		mg/Kg	☼	75	62 - 120
Hexachlorocyclopentadiene	0.33	U *	3.37	3.19		mg/Kg	☼	95	13 - 120
Hexachloroethane	0.033	U	3.37	2.37		mg/Kg	☼	70	61 - 120
Indeno[1,2,3-cd]pyrene	0.033	U	3.37	3.02		mg/Kg	☼	90	71 - 137
Isophorone	0.13	U	3.37	2.56		mg/Kg	☼	76	61 - 120
Naphthalene	0.010	J	3.37	2.69		mg/Kg	☼	79	63 - 120
Nitrobenzene	0.033	U	3.37	2.67		mg/Kg	☼	79	63 - 120
N-Nitrosodi-n-propylamine	0.033	U	3.37	2.61		mg/Kg	☼	78	56 - 120
N-Nitrosodiphenylamine	0.33	U	3.37	2.51		mg/Kg	☼	74	63 - 120
Pentachlorophenol	0.27	U	6.74	5.15		mg/Kg	☼	76	61 - 126
Phenanthrene	0.33	U	3.37	2.81		mg/Kg	☼	83	66 - 120
Phenol	0.33	U	3.37	2.88		mg/Kg	☼	85	63 - 120
Pyrene	0.33	U	3.37	2.79		mg/Kg	☼	83	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*
2-Fluorobiphenyl	*80*		*38 - 128*
2-Fluorophenol (Surr)	*87*		*31 - 133*
Nitrobenzene-d5 (Surr)	*81*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318513-E-3-B MS
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018385

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5 (Surr)	*92*		*35 - 132*
Terphenyl-d14 (Surr)	*86*		*44 - 147*

Lab Sample ID: 460-318513-E-3-C MSD
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.33	U	3.37	3.01		mg/Kg	☼	89	64 - 120	21	30
1,2,4,5-Tetrachlorobenzene	0.33	U	3.37	2.93		mg/Kg	☼	87	60 - 120	12	30
1,4-Dioxane	0.033	U	3.37	2.50		mg/Kg	☼	74	27 - 120	26	30
2,2'-oxybis[1-chloropropane]	0.33	U	3.37	3.27		mg/Kg	☼	97	46 - 126	22	30
2,3,4,6-Tetrachlorophenol	0.33	U	3.37	3.37		mg/Kg	☼	100	62 - 120	21	30
2,4,5-Trichlorophenol	0.33	U	3.37	3.13		mg/Kg	☼	93	64 - 120	16	30
2,4,6-Trichlorophenol	0.13	U	3.37	3.12		mg/Kg	☼	93	65 - 120	13	30
2,4-Dichlorophenol	0.13	U	3.37	3.36		mg/Kg	☼	100	66 - 120	27	30
2,4-Dimethylphenol	0.33	U	3.37	4.23	*	mg/Kg	☼	125	46 - 120	32	30
2,4-Dinitrophenol	0.27	U	6.74	4.01		mg/Kg	☼	59	41 - 129	8	30
2,4-Dinitrotoluene	0.068	U	3.37	3.84		mg/Kg	☼	114	65 - 124	22	30
2,6-Dinitrotoluene	0.068	U	3.37	3.40		mg/Kg	☼	101	67 - 121	12	30
2-Chloronaphthalene	0.33	U	3.37	2.96		mg/Kg	☼	88	64 - 120	19	30
2-Chlorophenol	0.33	U	3.37	3.31		mg/Kg	☼	98	63 - 120	20	30
2-Methylnaphthalene	0.33	U	3.37	3.02	*	mg/Kg	☼	90	64 - 120	31	30
2-Methylphenol	0.33	U	3.37	3.48		mg/Kg	☼	103	63 - 120	23	30
2-Nitroaniline	0.33	U	3.37	3.42		mg/Kg	☼	101	48 - 120	29	30
2-Nitrophenol	0.33	U	3.37	3.70	*	mg/Kg	☼	110	64 - 120	34	30
3 & 4 Methylphenol	0.33	U	3.37	3.51	*	mg/Kg	☼	104	61 - 120	31	30
3,3'-Dichlorobenzidine	0.13	U	3.37	1.97		mg/Kg	☼	59	10 - 120	7	30
3-Nitroaniline	0.33	U	3.37	2.41		mg/Kg	☼	71	18 - 122	17	30
4,6-Dinitro-2-methylphenol	0.27	U	6.74	6.39		mg/Kg	☼	95	58 - 136	23	30
4-Bromophenyl phenyl ether	0.33	U	3.37	3.40		mg/Kg	☼	101	60 - 120	27	30
4-Chloro-3-methylphenol	0.33	U	3.37	3.47		mg/Kg	☼	103	66 - 120	27	30
4-Chloroaniline	0.33	U	3.37	1.88		mg/Kg	☼	56	10 - 120	16	30
4-Chlorophenyl phenyl ether	0.33	U	3.37	3.33		mg/Kg	☼	99	62 - 120	26	30
4-Methylphenol	0.33	U	3.37	3.51	*	mg/Kg	☼	104	61 - 120	31	30
4-Nitroaniline	0.33	U	3.37	3.19	*	mg/Kg	☼	95	51 - 120	31	30
4-Nitrophenol	0.68	U	6.74	6.97		mg/Kg	☼	103	42 - 132	23	30
Acenaphthene	0.33	U	3.37	3.18		mg/Kg	☼	94	65 - 120	20	30
Acenaphthylene	0.33	U	3.37	3.25		mg/Kg	☼	97	64 - 120	11	30
Acetophenone	0.33	U	3.37	3.33	*	mg/Kg	☼	99	61 - 120	31	30
Anthracene	0.33	U	3.37	3.38		mg/Kg	☼	100	67 - 120	18	30
Atrazine	0.13	U	1.35	2.35	E *	mg/Kg	☼	175	32 - 150	24	30
Benzaldehyde	0.33	U	1.35	2.00	E	mg/Kg	☼	148	28 - 150	17	30
Benzo[a]anthracene	0.033	U	3.37	3.30		mg/Kg	☼	98	66 - 120	20	30
Benzo[a]pyrene	0.033	U	3.37	3.88		mg/Kg	☼	115	73 - 123	22	30
Benzo[b]fluoranthene	0.033	U	3.37	3.59		mg/Kg	☼	106	70 - 125	20	30
Benzo[g,h,i]perylene	0.33	U	3.37	3.87		mg/Kg	☼	115	66 - 120	25	30
Benzo[k]fluoranthene	0.033	U	3.37	3.59		mg/Kg	☼	106	67 - 122	18	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-318513-E-3-C MSD
Matrix: Solid
Analysis Batch: 1018452

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018385

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bis(2-chloroethoxy)methane	0.33	U	3.37	3.45	*	mg/Kg	☼	102	62 - 120	31	30
Bis(2-chloroethyl)ether	0.033	U	3.37	3.15		mg/Kg	☼	94	60 - 120	15	30
Bis(2-ethylhexyl) phthalate	0.33	U	3.37	3.70		mg/Kg	☼	110	64 - 125	24	30
Butyl benzyl phthalate	0.33	U	3.37	3.32		mg/Kg	☼	99	62 - 127	10	30
Caprolactam	0.33	U	1.35	2.03		mg/Kg	☼	150	36 - 150	24	30
Carbazole	0.33	U	3.37	3.39		mg/Kg	☼	101	64 - 120	19	30
Chrysene	0.33	U	3.37	3.35		mg/Kg	☼	99	67 - 120	23	30
Dibenz(a,h)anthracene	0.033	U	3.37	3.59		mg/Kg	☼	106	66 - 128	18	30
Dibenzofuran	0.33	U	3.37	3.35		mg/Kg	☼	99	61 - 120	20	30
Diethyl phthalate	0.33	U	3.37	3.47		mg/Kg	☼	103	63 - 120	22	30
Dimethyl phthalate	0.33	U	3.37	3.11		mg/Kg	☼	92	65 - 120	21	30
Di-n-butyl phthalate	0.013	J	3.37	3.37		mg/Kg	☼	100	66 - 120	18	30
Di-n-octyl phthalate	0.33	U	3.37	3.71		mg/Kg	☼	110	61 - 123	16	30
Fluoranthene	0.33	U	3.37	3.45		mg/Kg	☼	102	61 - 120	27	30
Fluorene	0.33	U	3.37	3.44		mg/Kg	☼	102	64 - 120	27	30
Hexachlorobenzene	0.033	U	3.37	3.20		mg/Kg	☼	95	66 - 120	24	30
Hexachlorobutadiene	0.068	U	3.37	3.21		mg/Kg	☼	95	62 - 120	24	30
Hexachlorocyclopentadiene	0.33	U *	3.37	3.79		mg/Kg	☼	112	13 - 120	17	30
Hexachloroethane	0.033	U	3.37	3.12		mg/Kg	☼	92	61 - 120	27	30
Indeno[1,2,3-cd]pyrene	0.033	U	3.37	3.73		mg/Kg	☼	111	71 - 137	21	30
Isophorone	0.13	U	3.37	3.66	*	mg/Kg	☼	109	61 - 120	35	30
Naphthalene	0.010	J	3.37	3.24		mg/Kg	☼	96	63 - 120	19	30
Nitrobenzene	0.033	U	3.37	3.55		mg/Kg	☼	105	63 - 120	29	30
N-Nitrosodi-n-propylamine	0.033	U	3.37	3.61	*	mg/Kg	☼	107	56 - 120	32	30
N-Nitrosodiphenylamine	0.33	U	3.37	3.42	*	mg/Kg	☼	102	63 - 120	31	30
Pentachlorophenol	0.27	U	6.74	7.01	*	mg/Kg	☼	104	61 - 126	31	30
Phenanthrene	0.33	U	3.37	3.39		mg/Kg	☼	101	66 - 120	19	30
Phenol	0.33	U	3.37	3.37		mg/Kg	☼	100	63 - 120	16	30
Pyrene	0.33	U	3.37	3.34		mg/Kg	☼	99	61 - 121	18	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*
2-Fluorobiphenyl	*84*		*38 - 128*
2-Fluorophenol (Surr)	*100*		*31 - 133*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*
Phenol-d5 (Surr)	*96*		*35 - 132*
Terphenyl-d14 (Surr)	*83*		*44 - 147*

Lab Sample ID: MB 460-1018512/1-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/29/25 07:23	01/29/25 12:16	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018512/1-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018512/1-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/29/25 07:23	01/29/25 12:16	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/29/25 07:23	01/29/25 12:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*01/29/25 07:23*	*01/29/25 12:16*	*1*
2-Fluorobiphenyl	*67*		*38 - 128*	*01/29/25 07:23*	*01/29/25 12:16*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*01/29/25 07:23*	*01/29/25 12:16*	*1*
Nitrobenzene-d5 (Surr)	*67*		*31 - 120*	*01/29/25 07:23*	*01/29/25 12:16*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*01/29/25 07:23*	*01/29/25 12:16*	*1*
Terphenyl-d14 (Surr)	*69*		*44 - 147*	*01/29/25 07:23*	*01/29/25 12:16*	*1*

Lab Sample ID: LCS 460-1018512/2-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.01		mg/Kg		90	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.96		mg/Kg		89	60 - 120
1,4-Dioxane	3.33	2.59		mg/Kg		78	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.19		mg/Kg		96	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.98		mg/Kg		89	62 - 120
2,4,5-Trichlorophenol	3.33	3.12		mg/Kg		94	64 - 120
2,4,6-Trichlorophenol	3.33	3.19		mg/Kg		96	65 - 120
2,4-Dichlorophenol	3.33	2.99		mg/Kg		90	66 - 120
2,4-Dimethylphenol	3.33	3.55		mg/Kg		106	46 - 120
2,4-Dinitrophenol	6.67	6.62		mg/Kg		99	41 - 129
2,4-Dinitrotoluene	3.33	3.34		mg/Kg		100	65 - 124
2,6-Dinitrotoluene	3.33	3.16		mg/Kg		95	67 - 121
2-Chloronaphthalene	3.33	2.97		mg/Kg		89	64 - 120
2-Chlorophenol	3.33	2.93		mg/Kg		88	63 - 120
2-Methylnaphthalene	3.33	2.52		mg/Kg		76	64 - 120
2-Methylphenol	3.33	3.11		mg/Kg		93	63 - 120
2-Nitroaniline	3.33	3.15		mg/Kg		94	48 - 120
2-Nitrophenol	3.33	3.13		mg/Kg		94	64 - 120
3 & 4 Methylphenol	3.33	3.06		mg/Kg		92	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018512/2-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3,3'-Dichlorobenzidine	3.33	1.13		mg/Kg		34	10 - 120
3-Nitroaniline	3.33	1.24		mg/Kg		37	18 - 122
4,6-Dinitro-2-methylphenol	6.67	6.29		mg/Kg		94	58 - 136
4-Bromophenyl phenyl ether	3.33	2.81		mg/Kg		84	60 - 120
4-Chloro-3-methylphenol	3.33	3.05		mg/Kg		91	66 - 120
4-Chloroaniline	3.33	0.956		mg/Kg		29	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.02		mg/Kg		91	62 - 120
4-Methylphenol	3.33	3.06		mg/Kg		92	61 - 120
4-Nitroaniline	3.33	2.89		mg/Kg		87	51 - 120
4-Nitrophenol	6.67	6.22		mg/Kg		93	42 - 132
Acenaphthene	3.33	2.85		mg/Kg		85	65 - 120
Acenaphthylene	3.33	3.07		mg/Kg		92	64 - 120
Acetophenone	3.33	2.90		mg/Kg		87	61 - 120
Anthracene	3.33	2.89		mg/Kg		87	67 - 120
Atrazine	1.33	1.41		mg/Kg		106	32 - 150
Benzaldehyde	1.33	1.40		mg/Kg		105	28 - 150
Benzo[a]anthracene	3.33	2.70		mg/Kg		81	66 - 120
Benzo[a]pyrene	3.33	2.71		mg/Kg		81	73 - 123
Benzo[b]fluoranthene	3.33	2.39		mg/Kg		72	70 - 125
Benzo[g,h,i]perylene	3.33	2.59		mg/Kg		78	66 - 120
Benzo[k]fluoranthene	3.33	2.49		mg/Kg		75	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.98		mg/Kg		89	62 - 120
Bis(2-chloroethyl)ether	3.33	2.94		mg/Kg		88	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	2.99		mg/Kg		90	64 - 125
Butyl benzyl phthalate	3.33	2.70		mg/Kg		81	62 - 127
Caprolactam	1.33	1.52		mg/Kg		114	36 - 150
Carbazole	3.33	2.86		mg/Kg		86	64 - 120
Chrysene	3.33	2.76		mg/Kg		83	67 - 120
Dibenz(a,h)anthracene	3.33	2.55		mg/Kg		77	66 - 128
Dibenzofuran	3.33	2.83		mg/Kg		85	61 - 120
Diethyl phthalate	3.33	2.99		mg/Kg		90	63 - 120
Dimethyl phthalate	3.33	2.83		mg/Kg		85	65 - 120
Di-n-butyl phthalate	3.33	2.84		mg/Kg		85	66 - 120
Di-n-octyl phthalate	3.33	2.59		mg/Kg		78	61 - 123
Fluoranthene	3.33	2.87		mg/Kg		86	61 - 120
Fluorene	3.33	3.18		mg/Kg		95	64 - 120
Hexachlorobenzene	3.33	2.64		mg/Kg		79	66 - 120
Hexachlorobutadiene	3.33	2.71		mg/Kg		81	62 - 120
Hexachlorocyclopentadiene	3.33	4.45	*	mg/Kg		134	13 - 120
Hexachloroethane	3.33	2.90		mg/Kg		87	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	2.63		mg/Kg		79	71 - 137
Isophorone	3.33	3.09		mg/Kg		93	61 - 120
Naphthalene	3.33	2.87		mg/Kg		86	63 - 120
Nitrobenzene	3.33	3.13		mg/Kg		94	63 - 120
N-Nitrosodi-n-propylamine	3.33	3.21		mg/Kg		96	56 - 120
N-Nitrosodiphenylamine	3.33	2.77		mg/Kg		83	63 - 120
Pentachlorophenol	6.67	5.87		mg/Kg		88	61 - 126
Phenanthrene	3.33	2.88		mg/Kg		86	66 - 120
Phenol	3.33	3.08		mg/Kg		92	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018512/2-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018512

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Pyrene			3.33	2.83		mg/Kg		85	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*
2-Fluorobiphenyl	*80*		*38 - 128*
2-Fluorophenol (Surr)	*80*		*31 - 133*
Nitrobenzene-d5 (Surr)	*81*		*31 - 120*
Phenol-d5 (Surr)	*83*		*35 - 132*
Terphenyl-d14 (Surr)	*69*		*44 - 147*

Lab Sample ID: LCSD 460-1018512/3-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018512

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.76		mg/Kg		83	64 - 120	9	30
1,2,4,5-Tetrachlorobenzene			3.33	2.66		mg/Kg		80	60 - 120	11	30
1,4-Dioxane			3.33	2.62		mg/Kg		79	27 - 120	1	30
2,2'-oxybis[1-chloropropane]			3.33	3.23		mg/Kg		97	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.95		mg/Kg		89	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	2.80		mg/Kg		84	64 - 120	11	30
2,4,6-Trichlorophenol			3.33	2.90		mg/Kg		87	65 - 120	10	30
2,4-Dichlorophenol			3.33	3.00		mg/Kg		90	66 - 120	1	30
2,4-Dimethylphenol			3.33	3.47		mg/Kg		104	46 - 120	2	30
2,4-Dinitrophenol			6.67	6.53		mg/Kg		98	41 - 129	1	30
2,4-Dinitrotoluene			3.33	3.24		mg/Kg		97	65 - 124	3	30
2,6-Dinitrotoluene			3.33	3.16		mg/Kg		95	67 - 121	0	30
2-Chloronaphthalene			3.33	2.75		mg/Kg		82	64 - 120	8	30
2-Chlorophenol			3.33	2.95		mg/Kg		89	63 - 120	1	30
2-Methylnaphthalene			3.33	2.53		mg/Kg		76	64 - 120	0	30
2-Methylphenol			3.33	3.10		mg/Kg		93	63 - 120	0	30
2-Nitroaniline			3.33	3.04		mg/Kg		91	48 - 120	4	30
2-Nitrophenol			3.33	3.07		mg/Kg		92	64 - 120	2	30
3 & 4 Methylphenol			3.33	3.03		mg/Kg		91	61 - 120	1	30
3,3'-Dichlorobenzidine			3.33	1.01		mg/Kg		30	10 - 120	11	30
3-Nitroaniline			3.33	1.09		mg/Kg		33	18 - 122	13	30
4,6-Dinitro-2-methylphenol			6.67	6.42		mg/Kg		96	58 - 136	2	30
4-Bromophenyl phenyl ether			3.33	2.82		mg/Kg		85	60 - 120	0	30
4-Chloro-3-methylphenol			3.33	3.05		mg/Kg		91	66 - 120	0	30
4-Chloroaniline			3.33	0.874		mg/Kg		26	10 - 120	9	30
4-Chlorophenyl phenyl ether			3.33	2.82		mg/Kg		85	62 - 120	7	30
4-Methylphenol			3.33	3.03		mg/Kg		91	61 - 120	1	30
4-Nitroaniline			3.33	2.67		mg/Kg		80	51 - 120	8	30
4-Nitrophenol			6.67	5.97		mg/Kg		90	42 - 132	4	30
Acenaphthene			3.33	2.95		mg/Kg		88	65 - 120	3	30
Acenaphthylene			3.33	3.00		mg/Kg		90	64 - 120	2	30
Acetophenone			3.33	2.90		mg/Kg		87	61 - 120	0	30
Anthracene			3.33	2.88		mg/Kg		86	67 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018512/3-A
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018512

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine			1.33	1.41		mg/Kg		106	32 - 150	0	30
Benzaldehyde			1.33	1.38		mg/Kg		104	28 - 150	1	30
Benzo[a]anthracene			3.33	2.75		mg/Kg		82	66 - 120	2	30
Benzo[a]pyrene			3.33	3.05		mg/Kg		91	73 - 123	12	30
Benzo[b]fluoranthene			3.33	2.87		mg/Kg		86	70 - 125	18	30
Benzo[g,h,i]perylene			3.33	2.92		mg/Kg		88	66 - 120	12	30
Benzo[k]fluoranthene			3.33	2.96		mg/Kg		89	67 - 122	17	30
Bis(2-chloroethoxy)methane			3.33	2.94		mg/Kg		88	62 - 120	1	30
Bis(2-chloroethyl)ether			3.33	2.90		mg/Kg		87	60 - 120	1	30
Bis(2-ethylhexyl) phthalate			3.33	3.07		mg/Kg		92	64 - 125	3	30
Butyl benzyl phthalate			3.33	2.96		mg/Kg		89	62 - 127	9	30
Caprolactam			1.33	1.54		mg/Kg		115	36 - 150	1	30
Carbazole			3.33	2.85		mg/Kg		85	64 - 120	0	30
Chrysene			3.33	2.77		mg/Kg		83	67 - 120	0	30
Dibenz(a,h)anthracene			3.33	2.88		mg/Kg		86	66 - 128	12	30
Dibenzofuran			3.33	2.81		mg/Kg		84	61 - 120	1	30
Diethyl phthalate			3.33	2.94		mg/Kg		88	63 - 120	2	30
Dimethyl phthalate			3.33	2.85		mg/Kg		85	65 - 120	1	30
Di-n-butyl phthalate			3.33	2.86		mg/Kg		86	66 - 120	1	30
Di-n-octyl phthalate			3.33	3.04		mg/Kg		91	61 - 123	16	30
Fluoranthene			3.33	2.88		mg/Kg		86	61 - 120	0	30
Fluorene			3.33	2.90		mg/Kg		87	64 - 120	9	30
Hexachlorobenzene			3.33	2.68		mg/Kg		80	66 - 120	2	30
Hexachlorobutadiene			3.33	2.76		mg/Kg		83	62 - 120	2	30
Hexachlorocyclopentadiene			3.33	4.09	*	mg/Kg		123	13 - 120	8	30
Hexachloroethane			3.33	2.89		mg/Kg		87	61 - 120	0	30
Indeno[1,2,3-cd]pyrene			3.33	2.88		mg/Kg		86	71 - 137	9	30
Isophorone			3.33	3.06		mg/Kg		92	61 - 120	1	30
Naphthalene			3.33	2.83		mg/Kg		85	63 - 120	1	30
Nitrobenzene			3.33	3.12		mg/Kg		94	63 - 120	0	30
N-Nitrosodi-n-propylamine			3.33	3.21		mg/Kg		96	56 - 120	0	30
N-Nitrosodiphenylamine			3.33	2.83		mg/Kg		85	63 - 120	2	30
Pentachlorophenol			6.67	6.07		mg/Kg		91	61 - 126	3	30
Phenanthrene			3.33	2.86		mg/Kg		86	66 - 120	1	30
Phenol			3.33	3.03		mg/Kg		91	63 - 120	2	30
Pyrene			3.33	2.84		mg/Kg		85	61 - 121	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*
2-Fluorobiphenyl	*73*		*38 - 128*
2-Fluorophenol (Surr)	*80*		*31 - 133*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*
Phenol-d5 (Surr)	*82*		*35 - 132*
Terphenyl-d14 (Surr)	*70*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319276-H-1-A MS
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.35	U	3.51	2.75		mg/Kg	☼	78	64 - 120
1,2,4,5-Tetrachlorobenzene	0.35	U	3.51	2.67		mg/Kg	☼	76	60 - 120
1,4-Dioxane	0.035	U	3.51	2.36		mg/Kg	☼	67	27 - 120
2,2'-oxybis[1-chloropropane]	0.35	U	3.51	3.08		mg/Kg	☼	88	46 - 126
2,3,4,6-Tetrachlorophenol	0.35	U	3.51	2.94		mg/Kg	☼	84	62 - 120
2,4,5-Trichlorophenol	0.35	U	3.51	2.91		mg/Kg	☼	83	64 - 120
2,4,6-Trichlorophenol	0.14	U	3.51	2.92		mg/Kg	☼	83	65 - 120
2,4-Dichlorophenol	0.14	U	3.51	2.91		mg/Kg	☼	83	66 - 120
2,4-Dimethylphenol	0.35	U	3.51	3.42		mg/Kg	☼	98	46 - 120
2,4-Dinitrophenol	0.28	U	7.02	6.70		mg/Kg	☼	95	41 - 129
2,4-Dinitrotoluene	0.070	U	3.51	3.26		mg/Kg	☼	93	65 - 124
2,6-Dinitrotoluene	0.070	U	3.51	3.11		mg/Kg	☼	89	67 - 121
2-Chloronaphthalene	0.35	U	3.51	2.75		mg/Kg	☼	78	64 - 120
2-Chlorophenol	0.35	U	3.51	2.84		mg/Kg	☼	81	63 - 120
2-Methylnaphthalene	0.35	U	3.51	2.45		mg/Kg	☼	70	64 - 120
2-Methylphenol	0.35	U	3.51	3.04		mg/Kg	☼	87	63 - 120
2-Nitroaniline	0.35	U	3.51	3.03		mg/Kg	☼	86	48 - 120
2-Nitrophenol	0.35	U	3.51	2.96		mg/Kg	☼	84	64 - 120
3 & 4 Methylphenol	0.35	U	3.51	2.93		mg/Kg	☼	83	61 - 120
3,3'-Dichlorobenzidine	0.14	U	3.51	1.47		mg/Kg	☼	42	10 - 120
3-Nitroaniline	0.35	U	3.51	1.67		mg/Kg	☼	48	18 - 122
4,6-Dinitro-2-methylphenol	0.28	U	7.02	6.41		mg/Kg	☼	91	58 - 136
4-Bromophenyl phenyl ether	0.35	U	3.51	2.80		mg/Kg	☼	80	60 - 120
4-Chloro-3-methylphenol	0.35	U	3.51	2.99		mg/Kg	☼	85	66 - 120
4-Chloroaniline	0.35	U	3.51	1.39		mg/Kg	☼	40	10 - 120
4-Chlorophenyl phenyl ether	0.35	U	3.51	2.81		mg/Kg	☼	80	62 - 120
4-Methylphenol	0.35	U	3.51	2.93		mg/Kg	☼	83	61 - 120
4-Nitroaniline	0.35	U	3.51	2.81		mg/Kg	☼	80	51 - 120
4-Nitrophenol	0.70	U	7.02	6.18		mg/Kg	☼	88	42 - 132
Acenaphthene	0.011	J	3.51	2.89		mg/Kg	☼	82	65 - 120
Acenaphthylene	0.35	U	3.51	3.02		mg/Kg	☼	86	64 - 120
Acetophenone	0.35	U	3.51	2.81		mg/Kg	☼	80	61 - 120
Anthracene	0.35	U	3.51	2.92		mg/Kg	☼	83	67 - 120
Atrazine	0.14	U	1.40	1.29		mg/Kg	☼	92	32 - 150
Benzaldehyde	0.35	U	1.40	1.22	E	mg/Kg	☼	87	28 - 150
Benzo[a]anthracene	0.035	U	3.51	2.80		mg/Kg	☼	80	66 - 120
Benzo[a]pyrene	0.015	J	3.51	3.12		mg/Kg	☼	88	73 - 123
Benzo[b]fluoranthene	0.013	J	3.51	2.88		mg/Kg	☼	82	70 - 125
Benzo[g,h,i]perylene	0.35	U	3.51	2.98		mg/Kg	☼	85	66 - 120
Benzo[k]fluoranthene	0.035	U	3.51	3.01		mg/Kg	☼	86	67 - 122
Bis(2-chloroethoxy)methane	0.35	U	3.51	2.85		mg/Kg	☼	81	62 - 120
Bis(2-chloroethyl)ether	0.035	U	3.51	2.79		mg/Kg	☼	80	60 - 120
Bis(2-ethylhexyl) phthalate	0.35	U	3.51	3.13		mg/Kg	☼	89	64 - 125
Butyl benzyl phthalate	0.35	U	3.51	3.02		mg/Kg	☼	86	62 - 127
Caprolactam	0.35	U	1.40	1.34		mg/Kg	☼	95	36 - 150
Carbazole	0.35	U	3.51	2.90		mg/Kg	☼	83	64 - 120
Chrysene	0.019	J	3.51	2.86		mg/Kg	☼	81	67 - 120
Dibenz(a,h)anthracene	0.035	U	3.51	2.93		mg/Kg	☼	84	66 - 128

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319276-H-1-A MS
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dibenzofuran	0.35	U	3.51	2.79		mg/Kg	☼	80	61 - 120
Diethyl phthalate	0.35	U	3.51	2.95		mg/Kg	☼	84	63 - 120
Dimethyl phthalate	0.35	U	3.51	2.86		mg/Kg	☼	81	65 - 120
Di-n-butyl phthalate	0.35	U	3.51	2.92		mg/Kg	☼	83	66 - 120
Di-n-octyl phthalate	0.35	U	3.51	3.09		mg/Kg	☼	88	61 - 123
Fluoranthene	0.035	J	3.51	2.94		mg/Kg	☼	83	61 - 120
Fluorene	0.35	U	3.51	2.90		mg/Kg	☼	83	64 - 120
Hexachlorobenzene	0.035	U	3.51	2.66		mg/Kg	☼	76	66 - 120
Hexachlorobutadiene	0.070	U	3.51	2.62		mg/Kg	☼	75	62 - 120
Hexachlorocyclopentadiene	0.35	U *	3.51	3.96		mg/Kg	☼	113	13 - 120
Hexachloroethane	0.035	U	3.51	2.77		mg/Kg	☼	79	61 - 120
Indeno[1,2,3-cd]pyrene	0.035	U	3.51	3.02		mg/Kg	☼	86	71 - 137
Isophorone	0.14	U	3.51	2.96		mg/Kg	☼	84	61 - 120
Naphthalene	0.019	J	3.51	2.76		mg/Kg	☼	78	63 - 120
Nitrobenzene	0.035	U	3.51	3.02		mg/Kg	☼	86	63 - 120
N-Nitrosodi-n-propylamine	0.035	U	3.51	3.10		mg/Kg	☼	88	56 - 120
N-Nitrosodiphenylamine	0.35	U	3.51	2.84		mg/Kg	☼	81	63 - 120
Pentachlorophenol	0.28	U	7.02	6.09		mg/Kg	☼	87	61 - 126
Phenanthrene	0.023	J	3.51	2.88		mg/Kg	☼	81	66 - 120
Phenol	0.35	U	3.51	2.95		mg/Kg	☼	84	63 - 120
Pyrene	0.050	J	3.51	2.96		mg/Kg	☼	83	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*
2-Fluorobiphenyl	*68*		*38 - 128*
2-Fluorophenol (Surr)	*73*		*31 - 133*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*
Phenol-d5 (Surr)	*75*		*35 - 132*
Terphenyl-d14 (Surr)	*67*		*44 - 147*

Lab Sample ID: 460-319276-H-1-B MSD
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.51	2.69		mg/Kg	☼	77	64 - 120	2	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.51	2.60		mg/Kg	☼	74	60 - 120	3	30
1,4-Dioxane	0.035	U	3.51	2.37		mg/Kg	☼	68	27 - 120	1	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.51	3.02		mg/Kg	☼	86	46 - 126	2	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.51	2.90		mg/Kg	☼	83	62 - 120	1	30
2,4,5-Trichlorophenol	0.35	U	3.51	2.80		mg/Kg	☼	80	64 - 120	4	30
2,4,6-Trichlorophenol	0.14	U	3.51	2.80		mg/Kg	☼	80	65 - 120	4	30
2,4-Dichlorophenol	0.14	U	3.51	2.87		mg/Kg	☼	82	66 - 120	2	30
2,4-Dimethylphenol	0.35	U	3.51	3.33		mg/Kg	☼	95	46 - 120	3	30
2,4-Dinitrophenol	0.28	U	7.02	6.51		mg/Kg	☼	93	41 - 129	3	30
2,4-Dinitrotoluene	0.070	U	3.51	3.17		mg/Kg	☼	90	65 - 124	3	30
2,6-Dinitrotoluene	0.070	U	3.51	3.06		mg/Kg	☼	87	67 - 121	2	30
2-Chloronaphthalene	0.35	U	3.51	2.68		mg/Kg	☼	76	64 - 120	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319276-H-1-B MSD
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Chlorophenol	0.35	U	3.51	2.74		mg/Kg	☼	78	63 - 120	3	30
2-Methylnaphthalene	0.35	U	3.51	2.43		mg/Kg	☼	69	64 - 120	1	30
2-Methylphenol	0.35	U	3.51	2.96		mg/Kg	☼	84	63 - 120	3	30
2-Nitroaniline	0.35	U	3.51	2.94		mg/Kg	☼	84	48 - 120	3	30
2-Nitrophenol	0.35	U	3.51	2.94		mg/Kg	☼	84	64 - 120	1	30
3 & 4 Methylphenol	0.35	U	3.51	2.89		mg/Kg	☼	82	61 - 120	1	30
3,3'-Dichlorobenzidine	0.14	U	3.51	1.36		mg/Kg	☼	39	10 - 120	8	30
3-Nitroaniline	0.35	U	3.51	1.57		mg/Kg	☼	45	18 - 122	6	30
4,6-Dinitro-2-methylphenol	0.28	U	7.02	6.34		mg/Kg	☼	90	58 - 136	1	30
4-Bromophenyl phenyl ether	0.35	U	3.51	2.75		mg/Kg	☼	78	60 - 120	2	30
4-Chloro-3-methylphenol	0.35	U	3.51	2.96		mg/Kg	☼	84	66 - 120	1	30
4-Chloroaniline	0.35	U	3.51	1.26		mg/Kg	☼	36	10 - 120	10	30
4-Chlorophenyl phenyl ether	0.35	U	3.51	2.77		mg/Kg	☼	79	62 - 120	2	30
4-Methylphenol	0.35	U	3.51	2.89		mg/Kg	☼	82	61 - 120	1	30
4-Nitroaniline	0.35	U	3.51	2.65		mg/Kg	☼	75	51 - 120	6	30
4-Nitrophenol	0.70	U	7.02	5.88		mg/Kg	☼	84	42 - 132	5	30
Acenaphthene	0.011	J	3.51	2.83		mg/Kg	☼	80	65 - 120	2	30
Acenaphthylene	0.35	U	3.51	2.92		mg/Kg	☼	83	64 - 120	3	30
Acetophenone	0.35	U	3.51	2.75		mg/Kg	☼	78	61 - 120	2	30
Anthracene	0.35	U	3.51	2.86		mg/Kg	☼	81	67 - 120	2	30
Atrazine	0.14	U	1.40	1.57		mg/Kg	☼	112	32 - 150	20	30
Benzaldehyde	0.35	U	1.40	1.44	E	mg/Kg	☼	103	28 - 150	17	30
Benzo[a]anthracene	0.035	U	3.51	2.75		mg/Kg	☼	78	66 - 120	2	30
Benzo[a]pyrene	0.015	J	3.51	3.07		mg/Kg	☼	87	73 - 123	1	30
Benzo[b]fluoranthene	0.013	J	3.51	2.85		mg/Kg	☼	81	70 - 125	1	30
Benzo[g,h,i]perylene	0.35	U	3.51	2.95		mg/Kg	☼	84	66 - 120	1	30
Benzo[k]fluoranthene	0.035	U	3.51	2.97		mg/Kg	☼	85	67 - 122	1	30
Bis(2-chloroethoxy)methane	0.35	U	3.51	2.82		mg/Kg	☼	80	62 - 120	1	30
Bis(2-chloroethyl)ether	0.035	U	3.51	2.74		mg/Kg	☼	78	60 - 120	2	30
Bis(2-ethylhexyl) phthalate	0.35	U	3.51	3.03		mg/Kg	☼	87	64 - 125	3	30
Butyl benzyl phthalate	0.35	U	3.51	2.92		mg/Kg	☼	83	62 - 127	3	30
Caprolactam	0.35	U	1.40	1.64		mg/Kg	☼	117	36 - 150	21	30
Carbazole	0.35	U	3.51	2.84		mg/Kg	☼	81	64 - 120	2	30
Chrysene	0.019	J	3.51	2.79		mg/Kg	☼	79	67 - 120	2	30
Dibenz(a,h)anthracene	0.035	U	3.51	2.90		mg/Kg	☼	83	66 - 128	1	30
Dibenzofuran	0.35	U	3.51	2.72		mg/Kg	☼	78	61 - 120	3	30
Diethyl phthalate	0.35	U	3.51	2.89		mg/Kg	☼	82	63 - 120	2	30
Dimethyl phthalate	0.35	U	3.51	2.78		mg/Kg	☼	79	65 - 120	3	30
Di-n-butyl phthalate	0.35	U	3.51	2.84		mg/Kg	☼	81	66 - 120	3	30
Di-n-octyl phthalate	0.35	U	3.51	3.03		mg/Kg	☼	86	61 - 123	2	30
Fluoranthene	0.035	J	3.51	2.89		mg/Kg	☼	81	61 - 120	2	30
Fluorene	0.35	U	3.51	2.82		mg/Kg	☼	81	64 - 120	3	30
Hexachlorobenzene	0.035	U	3.51	2.64		mg/Kg	☼	75	66 - 120	1	30
Hexachlorobutadiene	0.070	U	3.51	2.58		mg/Kg	☼	74	62 - 120	1	30
Hexachlorocyclopentadiene	0.35	U *	3.51	3.84		mg/Kg	☼	110	13 - 120	3	30
Hexachloroethane	0.035	U	3.51	2.78		mg/Kg	☼	79	61 - 120	1	30
Indeno[1,2,3-cd]pyrene	0.035	U	3.51	2.98		mg/Kg	☼	85	71 - 137	1	30
Isophorone	0.14	U	3.51	2.93		mg/Kg	☼	84	61 - 120	1	30
Naphthalene	0.019	J	3.51	2.72		mg/Kg	☼	77	63 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319276-H-1-B MSD
Matrix: Solid
Analysis Batch: 1018562

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018512

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrobenzene	0.035	U	3.51	2.97		mg/Kg	☼	85	63 - 120	1	30
N-Nitrosodi-n-propylamine	0.035	U	3.51	3.05		mg/Kg	☼	87	56 - 120	2	30
N-Nitrosodiphenylamine	0.35	U	3.51	2.77		mg/Kg	☼	79	63 - 120	3	30
Pentachlorophenol	0.28	U	7.02	5.99		mg/Kg	☼	85	61 - 126	2	30
Phenanthrene	0.023	J	3.51	2.85		mg/Kg	☼	81	66 - 120	1	30
Phenol	0.35	U	3.51	2.89		mg/Kg	☼	82	63 - 120	2	30
Pyrene	0.050	J	3.51	2.91		mg/Kg	☼	81	61 - 121	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*
2-Fluorobiphenyl	*68*		*38 - 128*
2-Fluorophenol (Surr)	*73*		*31 - 133*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*
Phenol-d5 (Surr)	*75*		*35 - 132*
Terphenyl-d14 (Surr)	*67*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1018566/1-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/29/25 10:28	01/29/25 19:15	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1018566/1-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/29/25 10:28	01/29/25 19:15	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/29/25 10:28	01/29/25 19:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*17 - 150*	*01/29/25 10:28*	*01/29/25 19:15*	*1*
DCB Decachlorobiphenyl	*90*		*17 - 150*	*01/29/25 10:28*	*01/29/25 19:15*	*1*
Tetrachloro-m-xylene	*83*		*21 - 150*	*01/29/25 10:28*	*01/29/25 19:15*	*1*
Tetrachloro-m-xylene	*82*		*21 - 150*	*01/29/25 10:28*	*01/29/25 19:15*	*1*

Lab Sample ID: LCS 460-1018566/2-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.141		mg/Kg		106	70 - 138
4,4'-DDD	0.133	0.139		mg/Kg		104	70 - 138
4,4'-DDE	0.133	0.153		mg/Kg		115	68 - 136
4,4'-DDE	0.133	0.141		mg/Kg		106	68 - 136
4,4'-DDT	0.133	0.169		mg/Kg		127	66 - 149
4,4'-DDT	0.133	0.140		mg/Kg		105	66 - 149
Aldrin	0.133	0.145		mg/Kg		109	69 - 136
Aldrin	0.133	0.134		mg/Kg		100	69 - 136
alpha-BHC	0.133	0.143		mg/Kg		107	72 - 134
alpha-BHC	0.133	0.142		mg/Kg		107	72 - 134
beta-BHC	0.133	0.146		mg/Kg		110	71 - 130
beta-BHC	0.133	0.132		mg/Kg		99	71 - 130
cis-Chlordane	0.133	0.153		mg/Kg		115	69 - 135
cis-Chlordane	0.133	0.139		mg/Kg		104	69 - 135
delta-BHC	0.133	0.142		mg/Kg		106	69 - 140
delta-BHC	0.133	0.138		mg/Kg		104	69 - 140
Dieldrin	0.133	0.151		mg/Kg		113	69 - 134
Dieldrin	0.133	0.139		mg/Kg		104	69 - 134
Endosulfan I	0.133	0.152		mg/Kg		114	69 - 133
Endosulfan I	0.133	0.143		mg/Kg		107	69 - 133

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1018566/2-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018566

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Endosulfan II			0.133	0.157		mg/Kg		118	71 - 137		
Endosulfan II			0.133	0.146		mg/Kg		110	71 - 137		
Endosulfan sulfate			0.133	0.159		mg/Kg		119	61 - 140		
Endosulfan sulfate			0.133	0.128		mg/Kg		96	61 - 140		
Endrin			0.133	0.150		mg/Kg		112	67 - 141		
Endrin			0.133	0.135		mg/Kg		101	67 - 141		
Endrin aldehyde			0.133	0.153		mg/Kg		114	71 - 136		
Endrin aldehyde			0.133	0.136		mg/Kg		102	71 - 136		
Endrin ketone			0.133	0.159		mg/Kg		119	60 - 146		
Endrin ketone			0.133	0.133		mg/Kg		99	60 - 146		
gamma-BHC (Lindane)			0.133	0.144		mg/Kg		108	72 - 139		
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	72 - 139		
Heptachlor			0.133	0.148		mg/Kg		111	74 - 138		
Heptachlor			0.133	0.138		mg/Kg		103	74 - 138		
Heptachlor epoxide			0.133	0.145		mg/Kg		109	72 - 134		
Heptachlor epoxide			0.133	0.135		mg/Kg		101	72 - 134		
Methoxychlor			0.133	0.184		mg/Kg		138	60 - 150		
Methoxychlor			0.133	0.139		mg/Kg		104	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*109*		*17 - 150*
DCB Decachlorobiphenyl	*95*		*17 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*
Tetrachloro-m-xylene	*90*		*21 - 150*

Lab Sample ID: LCSD 460-1018566/3-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018566

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.144		mg/Kg		108	70 - 138	2	30
4,4'-DDD			0.133	0.139		mg/Kg		104	70 - 138	0	30
4,4'-DDE			0.133	0.159		mg/Kg		119	68 - 136	3	30
4,4'-DDE			0.133	0.143		mg/Kg		107	68 - 136	1	30
4,4'-DDT			0.133	0.159		mg/Kg		120	66 - 149	6	30
4,4'-DDT			0.133	0.135		mg/Kg		101	66 - 149	4	30
Aldrin			0.133	0.150		mg/Kg		112	69 - 136	3	30
Aldrin			0.133	0.135		mg/Kg		101	69 - 136	1	30
alpha-BHC			0.133	0.156		mg/Kg		117	72 - 134	9	30
alpha-BHC			0.133	0.143		mg/Kg		107	72 - 134	0	30
beta-BHC			0.133	0.154		mg/Kg		116	71 - 130	5	30
beta-BHC			0.133	0.132		mg/Kg		99	71 - 130	0	30
cis-Chlordane			0.133	0.159		mg/Kg		119	69 - 135	4	30
cis-Chlordane			0.133	0.142		mg/Kg		106	69 - 135	2	30
delta-BHC			0.133	0.147		mg/Kg		110	69 - 140	3	30
delta-BHC			0.133	0.138		mg/Kg		104	69 - 140	0	30
Dieldrin			0.133	0.156		mg/Kg		117	69 - 134	4	30
Dieldrin			0.133	0.141		mg/Kg		106	69 - 134	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1018566/3-A
Matrix: Solid
Analysis Batch: 1018654

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018566

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endosulfan I			0.133	0.158		mg/Kg		118	69 - 133	4	30
Endosulfan I			0.133	0.147		mg/Kg		110	69 - 133	2	30
Endosulfan II			0.133	0.163		mg/Kg		122	71 - 137	4	30
Endosulfan II			0.133	0.147		mg/Kg		110	71 - 137	1	30
Endosulfan sulfate			0.133	0.162		mg/Kg		121	61 - 140	2	30
Endosulfan sulfate			0.133	0.128		mg/Kg		96	61 - 140	0	30
Endrin			0.133	0.147		mg/Kg		110	67 - 141	2	30
Endrin			0.133	0.133		mg/Kg		100	67 - 141	1	30
Endrin aldehyde			0.133	0.158		mg/Kg		118	71 - 136	3	30
Endrin aldehyde			0.133	0.136		mg/Kg		102	71 - 136	1	30
Endrin ketone			0.133	0.166		mg/Kg		124	60 - 146	4	30
Endrin ketone			0.133	0.135		mg/Kg		101	60 - 146	1	30
gamma-BHC (Lindane)			0.133	0.153		mg/Kg		114	72 - 139	6	30
gamma-BHC (Lindane)			0.133	0.138		mg/Kg		104	72 - 139	0	30
Heptachlor			0.133	0.150		mg/Kg		113	74 - 138	2	30
Heptachlor			0.133	0.137		mg/Kg		103	74 - 138	1	30
Heptachlor epoxide			0.133	0.150		mg/Kg		113	72 - 134	4	30
Heptachlor epoxide			0.133	0.137		mg/Kg		103	72 - 134	1	30
Methoxychlor			0.133	0.165		mg/Kg		124	60 - 150	11	30
Methoxychlor			0.133	0.131		mg/Kg		99	60 - 150	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*17 - 150*
DCB Decachlorobiphenyl	*98*		*17 - 150*
Tetrachloro-m-xylene	*90*		*21 - 150*
Tetrachloro-m-xylene	*91*		*21 - 150*

Lab Sample ID: 460-319394-D-2-G MS
Matrix: Solid
Analysis Batch: 1018691

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0079	U	0.156	0.157		mg/Kg	☼	100	70 - 138
4,4'-DDD	0.0079	U	0.156	0.155		mg/Kg	☼	99	70 - 138
4,4'-DDE	0.0079	U	0.156	0.169		mg/Kg	☼	108	68 - 136
4,4'-DDE	0.0079	U	0.156	0.165		mg/Kg	☼	105	68 - 136
4,4'-DDT	0.0079	U	0.156	0.181		mg/Kg	☼	116	66 - 149
4,4'-DDT	0.0079	U	0.156	0.156		mg/Kg	☼	100	66 - 149
Aldrin	0.0079	U	0.156	0.156		mg/Kg	☼	100	69 - 136
Aldrin	0.0079	U	0.156	0.146		mg/Kg	☼	94	69 - 136
alpha-BHC	0.0023	U	0.156	0.161		mg/Kg	☼	103	72 - 134
alpha-BHC	0.0023	U	0.156	0.153		mg/Kg	☼	98	72 - 134
beta-BHC	0.0023	U	0.156	0.162		mg/Kg	☼	103	71 - 130
beta-BHC	0.0023	U	0.156	0.144		mg/Kg	☼	92	71 - 130
cis-Chlordane	0.0079	U	0.156	0.169		mg/Kg	☼	108	69 - 135
cis-Chlordane	0.0079	U	0.156	0.156		mg/Kg	☼	100	69 - 135
delta-BHC	0.0023	U	0.156	0.157		mg/Kg	☼	100	69 - 140
delta-BHC	0.0023	U	0.156	0.150		mg/Kg	☼	96	69 - 140

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319394-D-2-G MS
Matrix: Solid
Analysis Batch: 1018691

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin	0.0023	U	0.156	0.165		mg/Kg	☼	105	69 - 134
Dieldrin	0.0023	U	0.156	0.153		mg/Kg	☼	98	69 - 134
Endosulfan I	0.0079	U	0.156	0.168		mg/Kg	☼	108	69 - 133
Endosulfan I	0.0079	U	0.156	0.159		mg/Kg	☼	102	69 - 133
Endosulfan II	0.0079	U	0.156	0.169		mg/Kg	☼	108	71 - 137
Endosulfan II	0.0079	U	0.156	0.161		mg/Kg	☼	103	71 - 137
Endosulfan sulfate	0.0079	U	0.156	0.168		mg/Kg	☼	107	61 - 140
Endosulfan sulfate	0.0079	U	0.156	0.141		mg/Kg	☼	90	61 - 140
Endrin	0.0079	U	0.156	0.163		mg/Kg	☼	105	67 - 141
Endrin	0.0079	U	0.156	0.151		mg/Kg	☼	97	67 - 141
Endrin aldehyde	0.0079	U	0.156	0.160		mg/Kg	☼	102	71 - 136
Endrin aldehyde	0.0079	U	0.156	0.148		mg/Kg	☼	95	71 - 136
Endrin ketone	0.0079	U	0.156	0.172		mg/Kg	☼	110	60 - 146
Endrin ketone	0.0079	U	0.156	0.146		mg/Kg	☼	94	60 - 146
gamma-BHC (Lindane)	0.0023	U	0.156	0.160		mg/Kg	☼	102	72 - 139
gamma-BHC (Lindane)	0.0023	U	0.156	0.150		mg/Kg	☼	96	72 - 139
Heptachlor	0.0079	U	0.156	0.160		mg/Kg	☼	102	74 - 138
Heptachlor	0.0079	U	0.156	0.152		mg/Kg	☼	97	74 - 138
Heptachlor epoxide	0.0079	U	0.156	0.158		mg/Kg	☼	101	72 - 134
Heptachlor epoxide	0.0079	U	0.156	0.149		mg/Kg	☼	95	72 - 134
Methoxychlor	0.0079	U	0.156	0.196		mg/Kg	☼	125	60 - 150
Methoxychlor	0.0079	U	0.156	0.155		mg/Kg	☼	99	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*17 - 150*
DCB Decachlorobiphenyl	*95*		*17 - 150*
Tetrachloro-m-xylene	*84*		*21 - 150*
Tetrachloro-m-xylene	*84*		*21 - 150*

Lab Sample ID: 460-319394-D-2-H MSD
Matrix: Solid
Analysis Batch: 1018691

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0079	U	0.156	0.134		mg/Kg	☼	86	70 - 138	16	30
4,4'-DDD	0.0079	U	0.156	0.146		mg/Kg	☼	93	70 - 138	6	30
4,4'-DDE	0.0079	U	0.156	0.149		mg/Kg	☼	95	68 - 136	12	30
4,4'-DDE	0.0079	U	0.156	0.146		mg/Kg	☼	93	68 - 136	12	30
4,4'-DDT	0.0079	U	0.156	0.156		mg/Kg	☼	100	66 - 149	15	30
4,4'-DDT	0.0079	U	0.156	0.146		mg/Kg	☼	93	66 - 149	7	30
Aldrin	0.0079	U	0.156	0.138		mg/Kg	☼	88	69 - 136	12	30
Aldrin	0.0079	U	0.156	0.137		mg/Kg	☼	88	69 - 136	6	30
alpha-BHC	0.0023	U	0.156	0.138		mg/Kg	☼	88	72 - 134	15	30
alpha-BHC	0.0023	U	0.156	0.143		mg/Kg	☼	91	72 - 134	6	30
beta-BHC	0.0023	U	0.156	0.137		mg/Kg	☼	88	71 - 130	16	30
beta-BHC	0.0023	U	0.156	0.134		mg/Kg	☼	86	71 - 130	7	30
cis-Chlordane	0.0079	U	0.156	0.138		mg/Kg	☼	88	69 - 135	20	30
cis-Chlordane	0.0079	U	0.156	0.141		mg/Kg	☼	90	69 - 135	10	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319394-D-2-H MSD
Matrix: Solid
Analysis Batch: 1018691

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018566

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
delta-BHC	0.0023	U	0.156	0.136		mg/Kg	☼	87	69 - 140	14	30
delta-BHC	0.0023	U	0.156	0.141		mg/Kg	☼	90	69 - 140	7	30
Dieldrin	0.0023	U	0.156	0.146		mg/Kg	☼	93	69 - 134	12	30
Dieldrin	0.0023	U	0.156	0.143		mg/Kg	☼	91	69 - 134	7	30
Endosulfan I	0.0079	U	0.156	0.144		mg/Kg	☼	92	69 - 133	16	30
Endosulfan I	0.0079	U	0.156	0.143		mg/Kg	☼	91	69 - 133	11	30
Endosulfan II	0.0079	U	0.156	0.146		mg/Kg	☼	93	71 - 137	15	30
Endosulfan II	0.0079	U	0.156	0.154		mg/Kg	☼	98	71 - 137	5	30
Endosulfan sulfate	0.0079	U	0.156	0.149		mg/Kg	☼	95	61 - 140	12	30
Endosulfan sulfate	0.0079	U	0.156	0.134		mg/Kg	☼	85	61 - 140	5	30
Endrin	0.0079	U	0.156	0.136		mg/Kg	☼	87	67 - 141	18	30
Endrin	0.0079	U	0.156	0.142		mg/Kg	☼	91	67 - 141	6	30
Endrin aldehyde	0.0079	U	0.156	0.142		mg/Kg	☼	91	71 - 136	12	30
Endrin aldehyde	0.0079	U	0.156	0.141		mg/Kg	☼	90	71 - 136	5	30
Endrin ketone	0.0079	U	0.156	0.145		mg/Kg	☼	93	60 - 146	17	30
Endrin ketone	0.0079	U	0.156	0.139		mg/Kg	☼	89	60 - 146	5	30
gamma-BHC (Lindane)	0.0023	U	0.156	0.139		mg/Kg	☼	89	72 - 139	14	30
gamma-BHC (Lindane)	0.0023	U	0.156	0.140		mg/Kg	☼	90	72 - 139	7	30
Heptachlor	0.0079	U	0.156	0.138		mg/Kg	☼	88	74 - 138	15	30
Heptachlor	0.0079	U	0.156	0.143		mg/Kg	☼	91	74 - 138	6	30
Heptachlor epoxide	0.0079	U	0.156	0.141		mg/Kg	☼	90	72 - 134	12	30
Heptachlor epoxide	0.0079	U	0.156	0.140		mg/Kg	☼	90	72 - 134	6	30
Methoxychlor	0.0079	U	0.156	0.165		mg/Kg	☼	105	60 - 150	17	30
Methoxychlor	0.0079	U	0.156	0.144		mg/Kg	☼	92	60 - 150	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*97*		*17 - 150*
DCB Decachlorobiphenyl	*89*		*17 - 150*
Tetrachloro-m-xylene	*75*		*21 - 150*
Tetrachloro-m-xylene	*79*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1018564/1-A
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1018564/1-A
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018564

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/29/25 10:18	01/29/25 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*20 - 150*	*01/29/25 10:18*	*01/29/25 19:02*	*1*
DCB Decachlorobiphenyl	*86*		*20 - 150*	*01/29/25 10:18*	*01/29/25 19:02*	*1*
Tetrachloro-m-xylene	*84*		*20 - 150*	*01/29/25 10:18*	*01/29/25 19:02*	*1*
Tetrachloro-m-xylene	*83*		*20 - 150*	*01/29/25 10:18*	*01/29/25 19:02*	*1*

Lab Sample ID: LCS 460-1018564/2-A
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018564

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.333		mg/Kg		100	54 - 136		
Aroclor 1016			0.333	0.333		mg/Kg		100	54 - 136		
Aroclor 1260			0.333	0.319		mg/Kg		96	53 - 145		
Aroclor 1260			0.333	0.359		mg/Kg		108	53 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*104*		*20 - 150*
DCB Decachlorobiphenyl	*97*		*20 - 150*
Tetrachloro-m-xylene	*92*		*20 - 150*
Tetrachloro-m-xylene	*92*		*20 - 150*

Lab Sample ID: LCSD 460-1018564/3-A
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018564

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.340		mg/Kg		102	54 - 136	2	30
Aroclor 1016			0.333	0.369		mg/Kg		111	54 - 136	10	30
Aroclor 1260			0.333	0.327		mg/Kg		98	53 - 145	3	30
Aroclor 1260			0.333	0.410		mg/Kg		123	53 - 145	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*20 - 150*
DCB Decachlorobiphenyl	*109*		*20 - 150*
Tetrachloro-m-xylene	*93*		*20 - 150*
Tetrachloro-m-xylene	*102*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-319394-D-2-D MS
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018564

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.079	U	0.391	0.315		mg/Kg	☼	81	54 - 136
Aroclor 1016	0.079	U	0.391	0.319		mg/Kg	☼	81	54 - 136
Aroclor 1260	0.079	U	0.391	0.349		mg/Kg	☼	89	53 - 145
Aroclor 1260	0.079	U	0.391	0.344		mg/Kg	☼	88	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*20 - 150*
DCB Decachlorobiphenyl	*77*		*20 - 150*
Tetrachloro-m-xylene	*66*		*20 - 150*
Tetrachloro-m-xylene	*68*		*20 - 150*

Lab Sample ID: 460-319394-D-2-E MSD
Matrix: Solid
Analysis Batch: 1018648

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018564

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.079	U	0.391	0.368		mg/Kg	☼	94	54 - 136	16	30
Aroclor 1016	0.079	U	0.391	0.365		mg/Kg	☼	93	54 - 136	14	30
Aroclor 1260	0.079	U	0.391	0.331		mg/Kg	☼	85	53 - 145	5	30
Aroclor 1260	0.079	U	0.391	0.377		mg/Kg	☼	96	53 - 145	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*20 - 150*
DCB Decachlorobiphenyl	*90*		*20 - 150*
Tetrachloro-m-xylene	*79*		*20 - 150*
Tetrachloro-m-xylene	*80*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoropentanoic acid (PFPeA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	U	2.00	0.50	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	U	2.00	0.50	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.80	U	0.80	0.20	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	U	1.00	0.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	U	5.00	1.25	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.050	ug/Kg		01/29/25 08:12	01/29/25 15:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.40	U	0.40	0.10	ug/Kg		01/29/25 08:12	01/29/25 15:41	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.6*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C5 PFPeA	*93.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*
13C5 PFHxA	*91.1*		*20 - 150*	*01/29/25 08:12*	*01/29/25 15:41*	*1*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-642896/1-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 642896

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	89.7		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C8 PFOA	91.7		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C9 PFNA	94.1		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C6 PFDA	84.5		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C7 PFUnA	85.2		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C2 PFTeDA	60.0		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C3 PFBS	93.8		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C3 PFHxS	91.7		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C8 PFOS	92.6		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C8 FOSA	85.8		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d3-NMeFOSAA	79.8		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d5-NEtFOSAA	70.0		20 - 150	01/29/25 08:12	01/29/25 15:41	1
M2-4:2 FTS	105		20 - 150	01/29/25 08:12	01/29/25 15:41	1
M2-6:2 FTS	109		20 - 150	01/29/25 08:12	01/29/25 15:41	1
M2-8:2 FTS	104		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C3 HFPO-DA	87.5		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d7-N-MeFOSE-M	78.1		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d9-N-EtFOSE-M	75.2		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d5-NEtPFOSA	62.1		20 - 150	01/29/25 08:12	01/29/25 15:41	1
d3-NMePFOSA	69.3		20 - 150	01/29/25 08:12	01/29/25 15:41	1
13C2-PFDoDA	69.7		20 - 150	01/29/25 08:12	01/29/25 15:41	1

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	10.0	10.82		ug/Kg		108	40 - 150
Perfluoropentanoic acid (PFPeA)	5.00	5.578		ug/Kg		112	40 - 150
Perfluorohexanoic acid (PFHxA)	2.50	2.585		ug/Kg		103	40 - 150
Perfluoroheptanoic acid (PFHpA)	2.50	2.532		ug/Kg		101	40 - 150
Perfluorooctanoic acid (PFOA)	2.50	2.586		ug/Kg		103	40 - 150
Perfluorononanoic acid (PFNA)	2.50	2.584		ug/Kg		103	40 - 150
Perfluorodecanoic acid (PFDA)	2.50	2.617		ug/Kg		105	40 - 150
Perfluoroundecanoic acid (PFUnA)	2.50	2.725		ug/Kg		109	40 - 150
Perfluorododecanoic acid (PFDoA)	2.50	2.692		ug/Kg		108	40 - 150
Perfluorotridecanoic acid (PFTrDA)	2.50	2.816		ug/Kg		113	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	2.50	2.717		ug/Kg		109	40 - 150
Perfluorobutanesulfonic acid (PFBS)	2.22	2.272		ug/Kg		102	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	2.35	2.646		ug/Kg		113	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	2.28	2.483		ug/Kg		109	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	2.39	2.515		ug/Kg		105	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	2.33	2.333		ug/Kg		100	40 - 150
Perfluorononanesulfonic acid (PFNS)	2.41	2.413		ug/Kg		100	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	2.43	1.807		ug/Kg		75	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	9.38	8.750		ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	9.52	10.10		ug/Kg		106	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	9.60	10.16		ug/Kg		106	40 - 150
Perfluorooctanesulfonamide (PFOSA)	2.50	2.635		ug/Kg		105	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	2.50	2.839		ug/Kg		114	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	2.50	2.744		ug/Kg		110	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.50	2.813		ug/Kg		113	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.50	2.724		ug/Kg		109	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	25.0	26.45		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	25.0	25.91		ug/Kg		104	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	10.0	10.82		ug/Kg		108	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	9.46	10.47		ug/Kg		111	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	5.00	5.563		ug/Kg		111	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.00	5.628		ug/Kg		113	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	9.34	10.22		ug/Kg		109	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	9.44	9.258		ug/Kg		98	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	4.46	4.733		ug/Kg		106	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	12.5	13.09		ug/Kg		105	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	62.5	62.64		ug/Kg		100	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	62.5	61.24		ug/Kg		98	40 - 150
Perfluorodecanesulfonic acid (PFDS)	2.41	2.381		ug/Kg		99	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	5.00	5.520		ug/Kg		110	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*89.8*		*20 - 150*
13C5 PFPeA	*88.3*		*20 - 150*
13C5 PFHxA	*89.5*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-642896/3-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFHpA	92.3		20 - 150
13C8 PFOA	93.6		20 - 150
13C9 PFNA	89.3		20 - 150
13C6 PFDA	90.7		20 - 150
13C7 PFUnA	85.5		20 - 150
13C2 PFTeDA	64.8		20 - 150
13C3 PFBS	97.5		20 - 150
13C3 PFHxS	87.8		20 - 150
13C8 PFOS	91.2		20 - 150
13C8 FOSA	85.5		20 - 150
d3-NMeFOSAA	76.4		20 - 150
d5-NEtFOSAA	67.7		20 - 150
M2-4:2 FTS	107		20 - 150
M2-6:2 FTS	106		20 - 150
M2-8:2 FTS	99.4		20 - 150
13C3 HFPO-DA	88.8		20 - 150
d7-N-MeFOSE-M	74.2		20 - 150
d9-N-EtFOSE-M	72.6		20 - 150
d5-NEtPFOSA	60.9		20 - 150
d3-NMePFOSA	62.9		20 - 150
13C2-PFDoDA	74.9		20 - 150

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.800	0.913		ug/Kg		114	40 - 150
Perfluoropentanoic acid (PFPeA)	0.400	0.440		ug/Kg		110	40 - 150
Perfluorohexanoic acid (PFHxA)	0.200	0.229		ug/Kg		115	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.200	0.212		ug/Kg		106	40 - 150
Perfluorooctanoic acid (PFOA)	0.200	0.240		ug/Kg		120	40 - 150
Perfluorononanoic acid (PFNA)	0.200	0.244		ug/Kg		122	40 - 150
Perfluorodecanoic acid (PFDA)	0.200	0.212		ug/Kg		106	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.200	0.214		ug/Kg		107	40 - 150
Perfluorododecanoic acid (PFDoA)	0.200	0.208		ug/Kg		104	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.200	0.231		ug/Kg		116	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.200	0.216		ug/Kg		108	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.178	0.190	J	ug/Kg		107	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.188	0.212		ug/Kg		113	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.182	0.201		ug/Kg		110	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.191	0.207		ug/Kg		109	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorooctanesulfonic acid (PFOS)	0.186	0.240		ug/Kg		129	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.192	0.201		ug/Kg		104	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.194	0.151	J	ug/Kg		78	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.750	0.749	J	ug/Kg		100	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.762	0.722	J	ug/Kg		95	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.768	0.876		ug/Kg		114	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.200	0.219		ug/Kg		109	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.200	0.223		ug/Kg		111	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.200	0.229		ug/Kg		114	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.200	0.245		ug/Kg		122	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.200	0.237		ug/Kg		118	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	2.00	2.109		ug/Kg		105	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	2.00	2.169		ug/Kg		108	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.800	0.804		ug/Kg		101	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.757	0.851		ug/Kg		112	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.400	0.446		ug/Kg		111	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.400	0.405		ug/Kg		101	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.747	0.794	J	ug/Kg		106	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.755	0.751	J	ug/Kg		99	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.357	0.399	J	ug/Kg		112	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	1.00	0.940	J	ug/Kg		94	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	5.00	5.268		ug/Kg		105	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	5.00	5.117		ug/Kg		102	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.193	0.197	J	ug/Kg		102	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.400	0.431		ug/Kg		108	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*91.8*		*20 - 150*
13C5 PFPeA	*98.7*		*20 - 150*
13C5 PFHxA	*93.2*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-642896/2-A
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 642896

Isotope Dilution	LLCS %Recovery	LLCS Qualifier	Limits
13C4 PFHpA	99.0		20 - 150
13C8 PFOA	91.7		20 - 150
13C9 PFNA	91.2		20 - 150
13C6 PFDA	85.9		20 - 150
13C7 PFUnA	83.6		20 - 150
13C2 PFTeDA	58.7		20 - 150
13C3 PFBS	90.4		20 - 150
13C3 PFHxS	87.1		20 - 150
13C8 PFOS	87.3		20 - 150
13C8 FOSA	84.2		20 - 150
d3-NMeFOSAA	75.0		20 - 150
d5-NEtFOSAA	67.2		20 - 150
M2-4:2 FTS	99.8		20 - 150
M2-6:2 FTS	106		20 - 150
M2-8:2 FTS	91.6		20 - 150
13C3 HFPO-DA	98.4		20 - 150
d7-N-MeFOSE-M	73.2		20 - 150
d9-N-EtFOSE-M	68.7		20 - 150
d5-NEtPFOSA	59.4		20 - 150
d3-NMePFOSA	62.0		20 - 150
13C2-PFDoDA	74.4		20 - 150

Lab Sample ID: 460-319288-1 DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: 12J_0-6
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.74	U		0.74	U	ug/Kg	☼			NC	30
Perfluoropentanoic acid (PFPeA)	0.16	J		0.210	J	ug/Kg	☼			29	30
Perfluorohexanoic acid (PFHxA)	0.11	J		0.159	J	ug/Kg	☼			34	30
Perfluoroheptanoic acid (PFHpA)	0.24			0.341		ug/Kg	☼			34	30
Perfluorooctanoic acid (PFOA)	0.32			0.630	*	ug/Kg	☼			65	30
Perfluorononanoic acid (PFNA)	3.45			8.538	*	ug/Kg	☼			85	30
Perfluorodecanoic acid (PFDA)	0.76			1.207	*	ug/Kg	☼			45	30
Perfluoroundecanoic acid (PFUnA)	13.2			13.42		ug/Kg	☼			1	30
Perfluorododecanoic acid (PFDoA)	0.30			0.375		ug/Kg	☼			22	30
Perfluorotridecanoic acid (PFTrDA)	8.28			7.697		ug/Kg	☼			7	30
Perfluorotetradecanoic acid (PFTeDA)	0.12	J		0.143	J	ug/Kg	☼			21	30
Perfluorobutanesulfonic acid (PFBS)	0.18	U		0.18	U	ug/Kg	☼			NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.18	U		0.18	U	ug/Kg	☼			NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.18	U		0.18	U	ug/Kg	☼			NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.18	U		0.18	U	ug/Kg	☼			NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319288-1 DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: 12J_0-6
Prep Type: Total/NA
Prep Batch: 642896

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	0.049	J	0.228		ug/Kg	☼	129	30
Perfluorononanesulfonic acid (PFNS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.74	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.74	U	0.74	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.09		1.428		ug/Kg	☼	38	30
Perfluorooctanesulfonamide (PFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.18	U	0.18	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.85	U	1.85	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.85	U	1.85	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.74	U	0.74	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.74	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.74	U	0.74	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.74	U	0.74	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.37	U	0.37	U	ug/Kg	☼	NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.92	U	0.92	U	ug/Kg	☼	NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.62	U	4.62	U	ug/Kg	☼	NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.62	U	4.62	U	ug/Kg	☼	NC	30
Perfluorodecanesulfonic acid (PFDS)	0.18	U	0.18	U	ug/Kg	☼	NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.37	U	0.37	U	ug/Kg	☼	NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*92.4*		*20 - 150*
13C5 PFPeA	*94.6*		*20 - 150*
13C5 PFHxA	*96.8*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319288-1 DU
Matrix: Solid
Analysis Batch: 642963

Client Sample ID: 12J_0-6
Prep Type: Total/NA
Prep Batch: 642896

Isotope Dilution	DU %Recovery	DU Qualifier	Limits
13C4 PFHpA	95.7		20 - 150
13C8 PFOA	91.2		20 - 150
13C9 PFNA	90.8		20 - 150
13C6 PFDA	88.4		20 - 150
13C7 PFUnA	90.3		20 - 150
13C2 PFTeDA	76.7		20 - 150
13C3 PFBS	91.4		20 - 150
13C3 PFHxS	88.1		20 - 150
13C8 PFOS	89.0		20 - 150
13C8 FOSA	85.5		20 - 150
d3-NMeFOSAA	79.4		20 - 150
d5-NEtFOSAA	101		20 - 150
M2-4:2 FTS	103		20 - 150
M2-6:2 FTS	109		20 - 150
M2-8:2 FTS	112		20 - 150
13C3 HFPO-DA	96.5		20 - 150
d7-N-MeFOSE-M	73.6		20 - 150
d9-N-EtFOSE-M	69.4		20 - 150
d5-NEtPFOSA	69.5		20 - 150
d3-NMePFOSA	72.5		20 - 150
13C2-PFDoDA	87.7		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1018508/1-A
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Antimony	1.0	U	1.0	0.15	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Barium	2.0	U	2.0	0.15	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Calcium	100	U	100	40.7	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Chromium	2.0	U	2.0	0.91	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Copper	2.0	U	2.0	0.37	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Iron	60.0	U	60.0	20.2	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Lead	0.60	U	0.60	0.20	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Magnesium	100	U	100	10.2	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Manganese	4.0	U	4.0	0.40	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Nickel	2.0	U	2.0	0.47	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Potassium	100	U	100	16.2	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Selenium	1.3	U	1.3	0.13	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Silver	0.40	U	0.40	0.089	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Sodium	100	U	100	45.7	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Thallium	0.40	U	0.40	0.041	mg/Kg		01/29/25 06:30	01/29/25 14:53	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1018508/1-A
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	2.0	U	2.0	0.21	mg/Kg		01/29/25 06:30	01/29/25 14:53	1
Zinc	8.0	U	8.0	3.1	mg/Kg		01/29/25 06:30	01/29/25 14:53	1

Lab Sample ID: LCSSRM 460-1018508/2-A ^3
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5940	5130		mg/Kg		86.4	46.1 - 153.9
Antimony	121	70.33		mg/Kg		58.1	0.1 - 200.8
Arsenic	242	234.4		mg/Kg		96.8	81.8 - 118.6
Barium	295	302.7		mg/Kg		102.6	81.7 - 118.3
Beryllium	160	156.9		mg/Kg		98.1	82.5 - 117.5
Cadmium	84.3	78.37		mg/Kg		93.0	82.2 - 117.8
Calcium	5270	4984		mg/Kg		94.6	82.5 - 117.5
Chromium	213	204.5		mg/Kg		96.0	81.2 - 119.2
Cobalt	137	136.6		mg/Kg		99.7	83.2 - 117.5
Copper	195	195.3		mg/Kg		100.2	83.1 - 116.9
Iron	6650	6274		mg/Kg		94.4	58.6 - 141.5
Lead	194	192.8		mg/Kg		99.4	82.0 - 118.6
Magnesium	1860	1726		mg/Kg		92.8	75.3 - 124.2
Manganese	264	287.1		mg/Kg		108.7	80.7 - 118.9
Nickel	298	297.2		mg/Kg		99.7	82.2 - 117.8
Potassium	2010	1854		mg/Kg		92.2	70.6 - 129.4
Selenium	272	273.8		mg/Kg		100.7	80.1 - 119.5
Silver	76.7	75.59		mg/Kg		98.6	79.5 - 120.5
Sodium	406	388.8		mg/Kg		95.8	74.9 - 124.9
Thallium	108	111.1		mg/Kg		102.9	80.0 - 119.4
Vanadium	169	168.0		mg/Kg		99.4	78.1 - 122.5
Zinc	236	223.5		mg/Kg		94.7	80.1 - 120.3

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319288-2 MS
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: 12J_6-12
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5110		552	7503	4	mg/Kg	☼	433	75 - 125
Antimony	0.26	J	5.52	2.70	N	mg/Kg	☼	44	75 - 125
Arsenic	5.1		11.0	15.16		mg/Kg	☼	91	75 - 125
Barium	30.1		11.0	44.46	N	mg/Kg	☼	130	75 - 125
Beryllium	0.42	J	5.52	5.50		mg/Kg	☼	92	75 - 125
Cadmium	1.1	U	5.52	4.85		mg/Kg	☼	88	75 - 125
Calcium	677		552	1228		mg/Kg	☼	100	75 - 125
Chromium	13.3		11.0	22.89		mg/Kg	☼	87	75 - 125
Cobalt	4.3		5.52	9.99		mg/Kg	☼	103	75 - 125
Copper	22.1		11.0	35.55		mg/Kg	☼	121	75 - 125
Iron	15000		552	15910	4	mg/Kg	☼	166	75 - 125
Lead	15.6		5.52	17.52	N	mg/Kg	☼	34	75 - 125
Magnesium	1320		552	2363	N	mg/Kg	☼	189	75 - 125
Manganese	140		55.2	207.3		mg/Kg	☼	122	75 - 125
Nickel	7.2		11.0	19.60		mg/Kg	☼	112	75 - 125
Potassium	535		552	1320	N	mg/Kg	☼	142	75 - 125
Selenium	0.45	J	11.0	9.97		mg/Kg	☼	86	75 - 125
Silver	0.44	U	5.52	4.92		mg/Kg	☼	89	75 - 125
Sodium	110	U	552	548.0		mg/Kg	☼	99	75 - 125
Thallium	0.061	J	4.42	3.88		mg/Kg	☼	86	75 - 125
Vanadium	18.1		11.0	30.37		mg/Kg	☼	111	75 - 125
Zinc	30.8		55.2	84.83		mg/Kg	☼	98	75 - 125

Lab Sample ID: 460-319288-2 DU
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: 12J_6-12
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	5110		6592	*	mg/Kg	☼	25	20
Antimony	0.26	J	0.226	J	mg/Kg	☼	16	20
Arsenic	5.1		4.44		mg/Kg	☼	14	20
Barium	30.1		39.38	*	mg/Kg	☼	27	20
Beryllium	0.42	J	0.492		mg/Kg	☼	15	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Calcium	677		731.5		mg/Kg	☼	8	20
Chromium	13.3		14.58		mg/Kg	☼	9	20
Cobalt	4.3		6.82	*	mg/Kg	☼	45	20
Copper	22.1		31.35	*	mg/Kg	☼	34	20
Iron	15000		16010		mg/Kg	☼	7	20
Lead	15.6		16.08		mg/Kg	☼	3	20
Magnesium	1320		1896	*	mg/Kg	☼	36	20
Manganese	140		180.5	*	mg/Kg	☼	25	20
Nickel	7.2		12.96	*	mg/Kg	☼	57	20
Potassium	535		713.9	*	mg/Kg	☼	29	20
Selenium	0.45	J	0.439	J	mg/Kg	☼	3	20
Silver	0.44	U	0.44	U	mg/Kg	☼	NC	20
Sodium	110	U	51.98	J	mg/Kg	☼	NC	20
Thallium	0.061	J	0.0811	J	mg/Kg	☼	28	20
Vanadium	18.1		19.09		mg/Kg	☼	6	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319288-2 DU
Matrix: Solid
Analysis Batch: 1018609

Client Sample ID: 12J_6-12
Prep Type: Total/NA
Prep Batch: 1018508

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Zinc	30.8		56.47	*	mg/Kg	☼	59	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1018461/10-A
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018461

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		01/29/25 00:52	01/29/25 04:12	1

Lab Sample ID: LCSSRM 460-1018461/11-A ^40
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018461

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	23.58		mg/Kg		103.4	70.6 - 129.4

Lab Sample ID: 460-319275-H-15-G MS
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018461

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.011	J	0.0831	0.0998		mg/Kg	☼	107	80 - 120

Lab Sample ID: 460-319275-H-15-H MSD
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018461

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.011	J	0.0831	0.100		mg/Kg	☼	108	80 - 120	1	20

Lab Sample ID: 460-319275-G-15-H DU
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018461

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.011	J	0.0134	J	mg/Kg	☼	24	20

Lab Sample ID: MB 460-1018462/1-A
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		01/29/25 01:05	01/29/25 05:06	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 460-1018462/2-A ^40
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018462

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			22.8	22.90		mg/Kg		100.5	70.6 - 129.4		

Lab Sample ID: 460-319127-C-12-O MS
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.078		0.0763	0.158		mg/Kg	☼	105	80 - 120		

Lab Sample ID: 460-319127-C-12-P MSD
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018462

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.078		0.0763	0.157		mg/Kg	☼	104	80 - 120	0	20

Lab Sample ID: 460-319127-C-12-N DU
Matrix: Solid
Analysis Batch: 1018522

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018462

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.078			0.0793		mg/Kg	☼			2	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319288-16 DU
Matrix: Solid
Analysis Batch: 1018207

Client Sample ID: 12H1_3-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.2			8.7	*	%				50	20
Percent Solids	94.8			91.3		%				4	20

Lab Sample ID: 460-319282-A-15 DU
Matrix: Solid
Analysis Batch: 1018270

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	17.6			17.7		%				0.7	20
Percent Solids	82.4			82.3		%				0.1	20

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

GC/MS VOA

Prep Batch: 1018098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-11	12I2_7-8	Total/NA	Solid	5035	
460-319288-12	12I2_1-2	Total/NA	Solid	5035	
460-319288-13	12J3_5-6	Total/NA	Solid	5035	
460-319288-14	12J2_3-4	Total/NA	Solid	5035	
460-319288-15	12H2_7-8	Total/NA	Solid	5035	
460-319288-16	12H1_3-4	Total/NA	Solid	5035	
460-319288-17	12G1_5-6	Total/NA	Solid	5035	
460-319288-18	12G2_4-5	Total/NA	Solid	5035	

Analysis Batch: 1018519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-11	12I2_7-8	Total/NA	Solid	8260D	1018098
460-319288-12	12I2_1-2	Total/NA	Solid	8260D	1018098
460-319288-13	12J3_5-6	Total/NA	Solid	8260D	1018098
460-319288-14	12J2_3-4	Total/NA	Solid	8260D	1018098
460-319288-15	12H2_7-8	Total/NA	Solid	8260D	1018098
460-319288-16	12H1_3-4	Total/NA	Solid	8260D	1018098
460-319288-17	12G1_5-6	Total/NA	Solid	8260D	1018098
460-319288-18	12G2_4-5	Total/NA	Solid	8260D	1018098
MB 460-1018519/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018519/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018519/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1018385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-5	12G_0-5	Total/NA	Solid	3546	
460-319288-6	12G_5-10	Total/NA	Solid	3546	
460-319288-7	12H_0-5	Total/NA	Solid	3546	
460-319288-8	12H_5-10	Total/NA	Solid	3546	
460-319288-9	12I_0-6	Total/NA	Solid	3546	
460-319288-10	12I_6-12	Total/NA	Solid	3546	
MB 460-1018385/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018385/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018385/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-318513-E-3-B MS	Matrix Spike	Total/NA	Solid	3546	
460-318513-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-5	12G_0-5	Total/NA	Solid	8270E	1018385
460-319288-6	12G_5-10	Total/NA	Solid	8270E	1018385
460-319288-7	12H_0-5	Total/NA	Solid	8270E	1018385
460-319288-8	12H_5-10	Total/NA	Solid	8270E	1018385
460-319288-9	12I_0-6	Total/NA	Solid	8270E	1018385
460-319288-10	12I_6-12	Total/NA	Solid	8270E	1018385
MB 460-1018385/1-A	Method Blank	Total/NA	Solid	8270E	1018385
LCS 460-1018385/2-A	Lab Control Sample	Total/NA	Solid	8270E	1018385
LCSD 460-1018385/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1018385
460-318513-E-3-B MS	Matrix Spike	Total/NA	Solid	8270E	1018385

GC/MS Semi VOA (Continued)

Analysis Batch: 1018452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-318513-E-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1018385

Prep Batch: 1018512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	3546	
460-319288-2	12J_6-12	Total/NA	Solid	3546	
MB 460-1018512/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018512/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018512/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319276-H-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-319276-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	8270E	1018512
460-319288-2	12J_6-12	Total/NA	Solid	8270E	1018512
MB 460-1018512/1-A	Method Blank	Total/NA	Solid	8270E	1018512
LCS 460-1018512/2-A	Lab Control Sample	Total/NA	Solid	8270E	1018512
LCSD 460-1018512/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1018512
460-319276-H-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1018512
460-319276-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1018512

GC Semi VOA

Prep Batch: 1018564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	3546	
460-319288-2	12J_6-12	Total/NA	Solid	3546	
460-319288-5	12G_0-5	Total/NA	Solid	3546	
460-319288-6	12G_5-10	Total/NA	Solid	3546	
460-319288-7	12H_0-5	Total/NA	Solid	3546	
460-319288-8	12H_5-10	Total/NA	Solid	3546	
460-319288-9	12I_0-6	Total/NA	Solid	3546	
460-319288-10	12I_6-12	Total/NA	Solid	3546	
MB 460-1018564/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018564/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018564/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319394-D-2-D MS	Matrix Spike	Total/NA	Solid	3546	
460-319394-D-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1018566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	3546	
460-319288-2	12J_6-12	Total/NA	Solid	3546	
460-319288-5	12G_0-5	Total/NA	Solid	3546	
460-319288-6	12G_5-10	Total/NA	Solid	3546	
460-319288-7	12H_0-5	Total/NA	Solid	3546	
460-319288-8	12H_5-10	Total/NA	Solid	3546	
460-319288-9	12I_0-6	Total/NA	Solid	3546	
460-319288-10	12I_6-12	Total/NA	Solid	3546	
MB 460-1018566/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1018566 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-1018566/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018566/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319394-D-2-G MS	Matrix Spike	Total/NA	Solid	3546	
460-319394-D-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	8082A	1018564
460-319288-2	12J_6-12	Total/NA	Solid	8082A	1018564
460-319288-5	12G_0-5	Total/NA	Solid	8082A	1018564
460-319288-6	12G_5-10	Total/NA	Solid	8082A	1018564
460-319288-7	12H_0-5	Total/NA	Solid	8082A	1018564
460-319288-8	12H_5-10	Total/NA	Solid	8082A	1018564
460-319288-9	12I_0-6	Total/NA	Solid	8082A	1018564
460-319288-10	12I_6-12	Total/NA	Solid	8082A	1018564
MB 460-1018564/1-A	Method Blank	Total/NA	Solid	8082A	1018564
LCS 460-1018564/2-A	Lab Control Sample	Total/NA	Solid	8082A	1018564
LCSD 460-1018564/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1018564
460-319394-D-2-D MS	Matrix Spike	Total/NA	Solid	8082A	1018564
460-319394-D-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1018564

Analysis Batch: 1018654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	8081B	1018566
460-319288-2	12J_6-12	Total/NA	Solid	8081B	1018566
460-319288-5	12G_0-5	Total/NA	Solid	8081B	1018566
460-319288-6	12G_5-10	Total/NA	Solid	8081B	1018566
460-319288-7	12H_0-5	Total/NA	Solid	8081B	1018566
460-319288-8	12H_5-10	Total/NA	Solid	8081B	1018566
460-319288-9	12I_0-6	Total/NA	Solid	8081B	1018566
460-319288-10	12I_6-12	Total/NA	Solid	8081B	1018566
MB 460-1018566/1-A	Method Blank	Total/NA	Solid	8081B	1018566
LCS 460-1018566/2-A	Lab Control Sample	Total/NA	Solid	8081B	1018566
LCSD 460-1018566/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1018566

Analysis Batch: 1018691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319394-D-2-G MS	Matrix Spike	Total/NA	Solid	8081B	1018566
460-319394-D-2-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1018566

LCMS

Prep Batch: 642896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	1633 Shake	
460-319288-2	12J_6-12	Total/NA	Solid	1633 Shake	
460-319288-7	12H_0-5	Total/NA	Solid	1633 Shake	
460-319288-8	12H_5-10	Total/NA	Solid	1633 Shake	
460-319288-9	12I_0-6	Total/NA	Solid	1633 Shake	
460-319288-10	12I_6-12	Total/NA	Solid	1633 Shake	
MB 240-642896/1-A	Method Blank	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 642896 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-642896/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-642896/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-319288-1 DU	12J_0-6	Total/NA	Solid	1633 Shake	

Analysis Batch: 642963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	1633	642896
460-319288-2	12J_6-12	Total/NA	Solid	1633	642896
460-319288-7	12H_0-5	Total/NA	Solid	1633	642896
460-319288-8	12H_5-10	Total/NA	Solid	1633	642896
460-319288-9	12I_0-6	Total/NA	Solid	1633	642896
460-319288-10	12I_6-12	Total/NA	Solid	1633	642896
MB 240-642896/1-A	Method Blank	Total/NA	Solid	1633	642896
LCS 240-642896/3-A	Lab Control Sample	Total/NA	Solid	1633	642896
LLCS 240-642896/2-A	Lab Control Sample	Total/NA	Solid	1633	642896
460-319288-1 DU	12J_0-6	Total/NA	Solid	1633	642896

Metals

Prep Batch: 1018461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	7471B	
460-319288-2	12J_6-12	Total/NA	Solid	7471B	
460-319288-5	12G_0-5	Total/NA	Solid	7471B	
MB 460-1018461/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1018461/11-A	Lab Control Sample	Total/NA	Solid	7471B	
460-319275-H-15-G MS	Matrix Spike	Total/NA	Solid	7471B	
460-319275-H-15-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-319275-G-15-H DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1018462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-6	12G_5-10	Total/NA	Solid	7471B	
460-319288-7	12H_0-5	Total/NA	Solid	7471B	
460-319288-8	12H_5-10	Total/NA	Solid	7471B	
460-319288-9	12I_0-6	Total/NA	Solid	7471B	
460-319288-10	12I_6-12	Total/NA	Solid	7471B	
MB 460-1018462/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1018462/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-319127-C-12-O MS	Matrix Spike	Total/NA	Solid	7471B	
460-319127-C-12-P MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	
460-319127-C-12-N DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1018508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	3050B	
460-319288-2	12J_6-12	Total/NA	Solid	3050B	
460-319288-5	12G_0-5	Total/NA	Solid	3050B	
460-319288-6	12G_5-10	Total/NA	Solid	3050B	
460-319288-7	12H_0-5	Total/NA	Solid	3050B	
460-319288-8	12H_5-10	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 1018508 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-9	12I_0-6	Total/NA	Solid	3050B	
460-319288-10	12I_6-12	Total/NA	Solid	3050B	
MB 460-1018508/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1018508/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-319288-2 MS	12J_6-12	Total/NA	Solid	3050B	
460-319288-2 DU	12J_6-12	Total/NA	Solid	3050B	

Analysis Batch: 1018522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	7471B	1018461
460-319288-2	12J_6-12	Total/NA	Solid	7471B	1018461
460-319288-5	12G_0-5	Total/NA	Solid	7471B	1018461
460-319288-6	12G_5-10	Total/NA	Solid	7471B	1018462
460-319288-7	12H_0-5	Total/NA	Solid	7471B	1018462
460-319288-8	12H_5-10	Total/NA	Solid	7471B	1018462
460-319288-9	12I_0-6	Total/NA	Solid	7471B	1018462
460-319288-10	12I_6-12	Total/NA	Solid	7471B	1018462
MB 460-1018461/10-A	Method Blank	Total/NA	Solid	7471B	1018461
MB 460-1018462/1-A	Method Blank	Total/NA	Solid	7471B	1018462
LCSSRM 460-1018461/11-A	Lab Control Sample	Total/NA	Solid	7471B	1018461
LCSSRM 460-1018462/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1018462
460-319127-C-12-O MS	Matrix Spike	Total/NA	Solid	7471B	1018462
460-319127-C-12-P MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	1018462
460-319275-H-15-G MS	Matrix Spike	Total/NA	Solid	7471B	1018461
460-319275-H-15-H MSD	Matrix Spike Duplicate	Total/NA	Solid	7471B	1018461
460-319127-C-12-N DU	Duplicate	Total/NA	Solid	7471B	1018462
460-319275-G-15-H DU	Duplicate	Total/NA	Solid	7471B	1018461

Analysis Batch: 1018609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	6020B	1018508
460-319288-2	12J_6-12	Total/NA	Solid	6020B	1018508
460-319288-5	12G_0-5	Total/NA	Solid	6020B	1018508
460-319288-6	12G_5-10	Total/NA	Solid	6020B	1018508
460-319288-7	12H_0-5	Total/NA	Solid	6020B	1018508
460-319288-8	12H_5-10	Total/NA	Solid	6020B	1018508
460-319288-9	12I_0-6	Total/NA	Solid	6020B	1018508
460-319288-10	12I_6-12	Total/NA	Solid	6020B	1018508
MB 460-1018508/1-A	Method Blank	Total/NA	Solid	6020B	1018508
LCSSRM 460-1018508/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1018508
460-319288-2 MS	12J_6-12	Total/NA	Solid	6020B	1018508
460-319288-2 DU	12J_6-12	Total/NA	Solid	6020B	1018508

General Chemistry

Analysis Batch: 1018207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-11	12I2_7-8	Total/NA	Solid	Moisture	
460-319288-12	12I2_1-2	Total/NA	Solid	Moisture	
460-319288-13	12J3_5-6	Total/NA	Solid	Moisture	
460-319288-14	12J2_3-4	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1018207 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-15	12H2_7-8	Total/NA	Solid	Moisture	
460-319288-16	12H1_3-4	Total/NA	Solid	Moisture	
460-319288-17	12G1_5-6	Total/NA	Solid	Moisture	
460-319288-18	12G2_4-5	Total/NA	Solid	Moisture	
460-319258-A-7 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319258-A-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319264-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319264-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319288-16 DU	12H1_3-4	Total/NA	Solid	Moisture	

Analysis Batch: 1018270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319288-1	12J_0-6	Total/NA	Solid	Moisture	
460-319288-2	12J_6-12	Total/NA	Solid	Moisture	
460-319288-5	12G_0-5	Total/NA	Solid	Moisture	
460-319288-6	12G_5-10	Total/NA	Solid	Moisture	
460-319288-7	12H_0-5	Total/NA	Solid	Moisture	
460-319288-8	12H_5-10	Total/NA	Solid	Moisture	
460-319288-9	12I_0-6	Total/NA	Solid	Moisture	
460-319288-10	12I_6-12	Total/NA	Solid	Moisture	
460-319282-A-15 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12J_0-6
Date Collected: 01/24/25 09:00
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-1
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018512	DXD	EET EDI	01/29/25 07:23
Total/NA	Analysis	8270E		1	1018562	DXD	EET EDI	01/29/25 17:40
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 21:38
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 22:05
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 17:04
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 15:52
Total/NA	Prep	7471B			1018461	TJS	EET EDI	01/29/25 00:52
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:01

Client Sample ID: 12J_6-12
Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12J_6-12
Date Collected: 01/24/25 09:50
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-2
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018512	DXD	EET EDI	01/29/25 07:23
Total/NA	Analysis	8270E		1	1018562	DXD	EET EDI	01/29/25 17:18
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 21:51
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 22:22
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 17:21
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 15:06
Total/NA	Prep	7471B			1018461	TJS	EET EDI	01/29/25 00:52
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:02

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12G_0-5
Date Collected: 01/24/25 14:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12G_0-5
Date Collected: 01/24/25 14:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-5
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 04:13
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 22:04
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 22:39
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 15:54
Total/NA	Prep	7471B			1018461	TJS	EET EDI	01/29/25 00:52
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:04

Client Sample ID: 12G_5-10
Date Collected: 01/24/25 14:15
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12G_5-10
Date Collected: 01/24/25 14:15
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-6
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 02:25
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 22:17
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 22:56
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 15:57
Total/NA	Prep	7471B			1018462	TJS	EET EDI	01/29/25 01:05
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:22

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12H_0-5
Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12H_0-5
Date Collected: 01/24/25 13:05
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-7
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 02:46
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 22:30
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 23:12
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 17:38
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 16:00
Total/NA	Prep	7471B			1018462	TJS	EET EDI	01/29/25 01:05
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:24

Client Sample ID: 12H_5-10
Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12H_5-10
Date Collected: 01/24/25 13:10
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-8
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 03:08
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 22:43
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 23:29
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 17:54
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 16:02
Total/NA	Prep	7471B			1018462	TJS	EET EDI	01/29/25 01:05
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12I_0-6
Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12I_0-6
Date Collected: 01/24/25 10:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-9
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 03:30
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 22:56
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/29/25 23:46
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 18:11
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 16:05
Total/NA	Prep	7471B			1018462	TJS	EET EDI	01/29/25 01:05
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:28

Client Sample ID: 12I_6-12
Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018270	CJC	EET EDI	01/27/25 16:39

Client Sample ID: 12I_6-12
Date Collected: 01/24/25 10:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-10
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018385	OTS	EET EDI	01/28/25 10:19
Total/NA	Analysis	8270E		1	1018452	MME	EET EDI	01/29/25 04:56
Total/NA	Prep	3546			1018566	OTS	EET EDI	01/29/25 10:28
Total/NA	Analysis	8081B		1	1018654	FAM	EET EDI	01/29/25 23:09
Total/NA	Prep	3546			1018564	OTS	EET EDI	01/29/25 10:18
Total/NA	Analysis	8082A		1	1018648	FAM	EET EDI	01/30/25 00:02
Total/NA	Prep	1633 Shake			642896	KML	EET CLE	01/29/25 08:12
Total/NA	Analysis	1633		1	642963	DSH	EET CLE	01/29/25 18:27
Total/NA	Prep	3050B			1018508	FBT	EET EDI	01/29/25 06:30
Total/NA	Analysis	6020B		1	1018609	JKF	EET EDI	01/29/25 16:07
Total/NA	Prep	7471B			1018462	TJS	EET EDI	01/29/25 01:05
Total/NA	Analysis	7471B		1	1018522	TJS	EET EDI	01/29/25 05:30

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12I2_7-8
Date Collected: 01/24/25 10:24
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Client Sample ID: 12I2_7-8
Date Collected: 01/24/25 10:24
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-11
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:26
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 11:28

Client Sample ID: 12I2_1-2
Date Collected: 01/24/25 10:30
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Client Sample ID: 12I2_1-2
Date Collected: 01/24/25 10:30
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-12
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:26
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 11:51

Client Sample ID: 12J3_5-6
Date Collected: 01/24/25 09:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Client Sample ID: 12J3_5-6
Date Collected: 01/24/25 09:40
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-13
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:27
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 12:14

Client Sample ID: 12J2_3-4
Date Collected: 01/24/25 08:35
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12J2_3-4
Date Collected: 01/24/25 08:35
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-14
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:27
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 12:37

Client Sample ID: 12H2_7-8
Date Collected: 01/24/25 12:25
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Client Sample ID: 12H2_7-8
Date Collected: 01/24/25 12:25
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-15
Matrix: Solid
Percent Solids: 95.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:27
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 13:00

Client Sample ID: 12H1_3-4
Date Collected: 01/24/25 11:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Client Sample ID: 12H1_3-4
Date Collected: 01/24/25 11:55
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-16
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:28
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 13:23

Client Sample ID: 12G1_5-6
Date Collected: 01/24/25 14:08
Date Received: 01/24/25 16:25

Lab Sample ID: 460-319288-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:12

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Client Sample ID: 12G1_5-6

Lab Sample ID: 460-319288-17
Date Collected: 01/24/25 14:08
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:28
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 13:46

Client Sample ID: 12G2_4-5

Lab Sample ID: 460-319288-18
Date Collected: 01/24/25 14:40
Matrix: Solid
Date Received: 01/24/25 16:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018207	MVA	EET EDI	01/27/25 07:37

Client Sample ID: 12G2_4-5

Lab Sample ID: 460-319288-18
Date Collected: 01/24/25 14:40
Matrix: Solid
Date Received: 01/24/25 16:25
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018098	YXG	EET EDI	01/25/25 16:28
Total/NA	Analysis	8260D		1	1018519	EMM	EET EDI	01/29/25 14:09

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319288-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319288-1	12J_0-6	Solid	01/24/25 09:00	01/24/25 16:25
460-319288-2	12J_6-12	Solid	01/24/25 09:50	01/24/25 16:25
460-319288-5	12G_0-5	Solid	01/24/25 14:10	01/24/25 16:25
460-319288-6	12G_5-10	Solid	01/24/25 14:15	01/24/25 16:25
460-319288-7	12H_0-5	Solid	01/24/25 13:05	01/24/25 16:25
460-319288-8	12H_5-10	Solid	01/24/25 13:10	01/24/25 16:25
460-319288-9	12I_0-6	Solid	01/24/25 10:40	01/24/25 16:25
460-319288-10	12I_6-12	Solid	01/24/25 10:55	01/24/25 16:25
460-319288-11	12I2_7-8	Solid	01/24/25 10:24	01/24/25 16:25
460-319288-12	12I2_1-2	Solid	01/24/25 10:30	01/24/25 16:25
460-319288-13	12J3_5-6	Solid	01/24/25 09:40	01/24/25 16:25
460-319288-14	12J2_3-4	Solid	01/24/25 08:35	01/24/25 16:25
460-319288-15	12H2_7-8	Solid	01/24/25 12:25	01/24/25 16:25
460-319288-16	12H1_3-4	Solid	01/24/25 11:55	01/24/25 16:25
460-319288-17	12G1_5-6	Solid	01/24/25 14:08	01/24/25 16:25
460-319288-18	12G2_4-5	Solid	01/24/25 14:40	01/24/25 16:25

Chain of Custody Record 762424

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: O. Colon	Date: 1-24-25	COC No:
Company Name: Haley + Aldrich of NY	Tel/Email: SBell@haleyaldrich.com	Lab Contact:	Carrier:	1 of 2 COCs
Address: 213 W 35th St	Analysis Turnaround Time			Sampler:
City/State/Zip: New York NY 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: SComins@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mholand@haleyaldrich.com	☐ 2 weeks ☐ 1 week ☐ 2 days 5 days ☐ 1 day			Lab Sampling:
Project Name: Former Port Mobil				Job / SDG No.
Site: 4101 Arthur Kill Road SI				
PO# 02089488-000-0006-02				319288

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL SVOCs	TAL METALS	PCBs	Pesticides	PFAS	Sample Specific Notes:
12J_0-6	1/24/25	900	C	S	2	N	N	X	X	X	X	X	-1
12J_6-12		950	C			N	N						-2
12B_0-5		1350	C			N	N						-3
12B_5-10		1405	C			N	N						-4
12G_0-5		1410	C			N	N						-5
12G_5-10		1415	C			N	N						-6
12H_0-5		1305	C			N	N						-7
12H_5-10		1310	C			N	N						-8
12I_0-6		1040	C			N	N						-9
12I_6-12	↓	1055	C	↓	↓	N	N	↓	↓	↓	↓	↓	-10

460-319288 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd._____ Corr'd._____ Therm ID No._____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Omar Colon	Haley and Aldrich	1/24/25		ET/24/25	1511
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	01/27/25	1625	Rene Miller	ETA	1/24 1625
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

0-9-1-1

1/31/2025

Chain of Custody Record 762682

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S Bell	Site Contact: O. Colon	Date: 1-24-25	COC No: 2 of 2 COCs
Company Name: Haley and Aldrich of NY	Tel/Email. SBell@haleyaldrich.com	Lab Contact:	Carrier:	Sampler:
Address: 213 W 35th St	Analysis Turnaround Time			For Lab Use Only:
City/State/Zip: New York NY 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: SCommissioe@haleyaldrich.com	TAT if different from Below _____			Lab Sampling
Fax: mso and@haleyaldrich.com	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.
Project Name. Former Port Mobil				
Site: 4101 Arthur Kill Road				
P O # 0208988-000-006-002				319288

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCL VOCs	Sample Specific Notes.
12I2_7-8	1/24/25	1024	G	S	4	N		X	-11
12I2_1-2		1030							-12
12J3_5-6		0940							-13
12J2_3-4		0835							-14
12H2_7-8		1225							-15
12H1_3-4		1155							-16
12G1_5-6		1408							-17
12G2_4-5	↓	1440	↓	↓	↓	↓		↓	-18

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No. _____
Relinquished by: Omar Colon	Company: Haley+Aldrich	Date/Time: 1/24/25	Received by:	Company: 01/24/25	Date/Time: 15-11
Relinquished by:	Company: 01/24/25	Date/Time: 1625	Received by:	Company: ETA	Date/Time: 1/24 1625
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Page 129 of 134

1/31/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 319288

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.9 °C	1.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below.

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 01/24/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

3713-6

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73212.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319288-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 1/28/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

PFAS 2084 Total -022

Special Instructions/Note:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Moisture	Total Number of containers
			Preservation Code:						
12J_0-6 (460-319288-1)	1/24/25	09:00 Eastern	G	Solid			X	X	1
12J_6-12 (460-319288-2)	1/24/25	09:50 Eastern	G	Solid			X	X	1
12H_0-5 (460-319288-7)	1/24/25	13:05 Eastern	G	Solid			X	X	1
12H_5-10 (460-319288-8)	1/24/25	13:10 Eastern	G	Solid			X	X	1
12I_0-6 (460-319288-9)	1/24/25	10:40 Eastern	G	Solid			X	X	1
12I_6-12 (460-319288-10)	1/24/25	10:55 Eastern	G	Solid			X	X	1

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/27/25 1900	EET	KATHARINE MARTIN	1/28/25 1000	FUL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :** _____
Barberton Facility

Client Eurofins Edison Site Name _____ Cooler unpacked by: lCMartin

Cooler Received on 1/28/25 Opened on 1/29/25

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____

Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____

Packing material used. (Bubble Wrap) Foam Plastic Bag None Other _____

COOLANT (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp 3.7 °C Corrected Cooler Temp. 3.6 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes	No
17 Was a LL Hg or Me Hg trip blank present? _____	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page | Samples processed by:

_____
_____
_____
_____

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s). _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

ORIGIN ID LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 27JAN25
ACTWGT: 36.90 LB
CAD: 0619092/CAFE3855

BILL SENDER

TO **SHIPPING/RECEIVING**
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396 REF: 8460-190774
PO: YES

FedEx Express

TRK# 0201 **4320 1503 9477**

TUE - 28 JAN 10:30A
PRIORITY OVERN

NX CAKA

4420
OH-US CL

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319288-1

Login Number: 319288
List Number: 1
Creator: Nelson, Rose E

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 2/4/2025 12:23:13 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319407-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
2/4/2025 12:23:13 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	RPD of the LCS and LCSD exceeds the control limits
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-319407-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 1/28/2025 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 16C3_3-4 (460-319407-1), 16C3_8-9 (460-319407-2), 16C2_2-3 (460-319407-3), 16C2_6-7 (460-319407-4), 16C2_0-1 (460-319407-5), 16C1_1-2 (460-319407-6), 16C1_7-8 (460-319407-7), 16B2_1-2 (460-319407-8), 16B3_7-8 (460-319407-9), 16J3_5-6 (460-319407-10), 16J1_3-4 (460-319407-11), 16A2_2-3 (460-319407-12), 16A3_9-10 (460-319407-13), 12A1-7-8 (460-319407-14) and 12A2-4-5 (460-319407-15) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 01/28/2025 and analyzed on 01/31/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018846 was outside the method criteria for the following analytes: Bromoform, Trichlorofluoromethane and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-1018946 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018846 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane, 1,1,2-Trichloroethane and trans-1,3-Dichloropropene. These analytes were biased low in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1018946 recovered outside control limits for the following analytes: 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene. These analytes were biased low in the LCS./LCSD and were not detected in the associated samples; therefore, the data have been reported.

1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene failed the recovery criteria low for LCS 460-1018846/3. 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene failed the recovery criteria low for LCS 460-1018946/3. 1,1,2-Trichloroethane, 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene failed the recovery criteria low for LCSD

460-1018846/4. 1,2-Dibromo-3-Chloropropane and trans-1,3-Dichloropropene failed the recovery criteria low for LCSD 460-1018946/4. Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 01/30/2025 and 01/31/2025 and analyzed on 01/31/2025 and 02/01/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1018914 was outside the method criteria for the following analyte(s): 4,6-Dinitro-2-methylphenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1019143 was outside the method criteria for the following analyte(s): 4,6-Dinitro-2-methylphenol and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1019077 and analytical batch 460-1019143 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1018870 and analytical batch 460-1018914 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-1018870 and analytical batch 460-1018914 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Chloroaniline.

Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1018870/2-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCS 460-1019077/2-A. Hexachlorocyclopentadiene failed the recovery criteria high for LCSD 460-1018870/3-A. 3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Chloroaniline exceeded the RPD limit. Hexachlorocyclopentadiene failed the recovery criteria high for LCSD 460-1019077/3-A.

Hexachlorocyclopentadiene failed the recovery criteria high for the MS/MSD of sample 16A_5-10 (460-319407-19) in batch 460-1019143.

Hexachlorocyclopentadiene failed the recovery criteria high for the MS/MSD of sample 460-319530-1 in batch 460-1018914.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 01/30/2025 and 01/31/2025 and analyzed on 01/31/2025.

The continuing calibration verification (CCV) associated with batch 460-1018895 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-1018895/3).

The continuing calibration verification (CCV) associated with batch 460-1018892 recovered above the upper control limit for Endosulfan I, Endosulfan II and Endrin on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-1018892/3).

The continuing calibration verification (CCV) associated with batch 460-1018892 recovered below the lower control limit for delta-BHC on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data have been qualified and reported. Delta-BHC was within control limits on the primary column .
The continuing calibration verification (CCV) associated with batch 460-1018892 recovered above the upper control limit for Endosulfan I, Endosulfan II and Endrin on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-1018892/3).

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS
Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 01/30/2025 and 01/31/2025 and analyzed on 01/31/2025.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) BY LC/MS/MS
Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for Per- and Polyfluoroalkyl Substances (PFAS) by LC/MS/MS in accordance with 1633. The samples were prepared on 01/30/2025 and analyzed on 01/31/2025.

No other difficulties were encountered during the PFAS analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 02/03/2025.

Several analytes failed the recovery criteria low for the MS of sample 16A_0-5MS (460-319407-18) in batch 460-1019373. Aluminum, Chromium and Iron failed the recovery criteria high.

Several analytes exceeded the RPD limit for the duplicate of sample 16A_0-5DU (460-319407-18). Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TOTAL
Samples 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 01/30/2025.

Mercury failed the recovery criteria high for the MS of sample 460-319476-5 in batch 460-1018731.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 16C3_3-4 (460-319407-1), 16C3_8-9 (460-319407-2), 16C2_2-3 (460-319407-3), 16C2_6-7 (460-319407-4), 16C2_0-1 (460-319407-5), 16C1_1-2 (460-319407-6), 16C1_7-8 (460-319407-7), 16B2_1-2 (460-319407-8), 16B3_7-8 (460-319407-9), 16J3_5-6 (460-319407-10), 16J1_3-4 (460-319407-11), 16A2_2-3 (460-319407-12), 16A3_9-10 (460-319407-13), 12A1-7-8 (460-319407-14), 12A2-4-5 (460-319407-15), 12A_0-5 (460-319407-16), 12A_5-10 (460-319407-17), 16A_0-5 (460-319407-18), 16A_5-10 (460-319407-19), 16B_0-5 (460-319407-20), 16B_5-10 (460-319407-21), 16C_0-5 (460-319407-22), 16C_5-10 (460-319407-23), 16J_0-5 (460-319407-24) and 16J_5-10 (460-319407-25) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/30/2025 and 02/02/2025.

Percent Moisture exceeded the RPD limit for the duplicate of sample 16J3_5-6DU (460-319407-10). Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C3_3-4 — Lab Sample ID: 460-319407-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0027		0.0017	0.00097	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C3_8-9 — Lab Sample ID: 460-319407-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0033		0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C2_2-3 — Lab Sample ID: 460-319407-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0062		0.0062	0.0059	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0029		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C2_6-7 — Lab Sample ID: 460-319407-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0037		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C2_0-1 — Lab Sample ID: 460-319407-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0023		0.0017	0.00098	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C1_1-2 — Lab Sample ID: 460-319407-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0023		0.0016	0.00091	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16C1_7-8 — Lab Sample ID: 460-319407-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0029		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B2_1-2 — Lab Sample ID: 460-319407-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0027		0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B3_7-8 — Lab Sample ID: 460-319407-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0040		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16J3_5-6 — Lab Sample ID: 460-319407-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0052		0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16J1_3-4 — Lab Sample ID: 460-319407-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0066	J	0.0068	0.0065	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0039		0.0023	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16A2_2-3 — Lab Sample ID: 460-319407-12

No Detections.

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16A3_9-10 — Lab Sample ID: 460-319407-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0089		0.0049	0.0047	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0012	J	0.0016	0.00094	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A1-7-8 — Lab Sample ID: 460-319407-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0026		0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A2-4-5 — Lab Sample ID: 460-319407-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0033		0.0022	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A_0-5 — Lab Sample ID: 460-319407-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.012	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.0098	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.30		0.27	0.067	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.23		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.31		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.40		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.23		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.56		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.09		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.26		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.93		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.075	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.054	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.17	J	0.54	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	5270		21.1	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.56	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	40.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.43		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.26	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1890		105	42.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.2		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.5		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	36.6		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	16600		63.2	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	104		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2230		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	205		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.9		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	745		105	17.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.29	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	60.4	J	105	48.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.077	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.0		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	68.3		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 12A_0-5 (Continued) — Lab Sample ID: 460-319407-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.044		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 12A_5-10 — Lab Sample ID: 460-319407-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.22	J	0.27	0.068	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.19		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.28		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.47		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.53		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.54		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.25		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.24		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.28		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.068	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.059	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	5100		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.54	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	34.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.46		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.15	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1670		102	41.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	12.9		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	33.0		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	15400		61.1	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	62.6		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2120		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	199		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	10.9		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	776		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.23	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.19	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	50.4	J	102	46.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.073	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	51.9		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.031		0.018	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16A_0-5 — Lab Sample ID: 460-319407-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.069	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.28		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.62		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.25		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.37		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.090	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.11		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.037	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16A_0-5 (Continued)

Lab Sample ID: 460-319407-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4630		21.4	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.58	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	30.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.5		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.19	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3080		107	43.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.2		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	63.9		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	15500		64.3	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	114		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2680		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	97.1		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.2		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	598		107	17.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.37	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	58.0	J	107	49.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.062	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.3		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	206		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.025		0.016	0.0077	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16A_5-10

Lab Sample ID: 460-319407-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.037	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.082	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.29		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.47		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.43		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.091	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.45		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.056	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	4950		20.3	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.83	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.2		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	32.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.17	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1690		102	41.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.6		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	66.4		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	17200		61.0	20.5	mg/Kg	1	☼	6020B	Total/NA
Lead	129		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2030		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	147		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.3		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16A_5-10 (Continued)

Lab Sample ID: 460-319407-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	595		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.38	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.30	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	73.2	J	102	46.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.053	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	168		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.024		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16B_0-5

Lab Sample ID: 460-319407-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.042	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.055	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.39		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.23		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.27		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.12		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.058	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	4730		19.4	5.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	10.5		0.97	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	34.3		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1500		96.8	39.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	23.2		1.9	0.88	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.5		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	61.2		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	15600		58.1	19.6	mg/Kg	1	☼	6020B	Total/NA
Lead	166		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1810		96.8	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	134		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.2		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Potassium	574		96.8	15.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.40	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.34	J	0.39	0.086	mg/Kg	1	☼	6020B	Total/NA
Sodium	51.9	J	96.8	44.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.061	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	19.1		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	159		7.7	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.046		0.018	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16B_5-10

Lab Sample ID: 460-319407-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.079	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.18		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.68		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.24		0.13	0.033	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16B_5-10 (Continued)

Lab Sample ID: 460-319407-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.079	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.75		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.35		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.072	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Aluminum	5710		19.7	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.85	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.6		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	42.0		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.53		0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	666		98.4	40.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.1		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	40.4		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	15700		59.0	19.9	mg/Kg	1	☼	6020B	Total/NA
Lead	53.6		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1740		98.4	10.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	220		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	10		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	665		98.4	15.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.49	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.39	0.088	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.22	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.6		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	52.0		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.032		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16C_0-5

Lab Sample ID: 460-319407-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.054	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.050	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.85		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.21		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.37		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.07		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.049	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.065	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.038	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	5550		20.0	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.79	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.8		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	40.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.9		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.22	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	3870		100	40.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	24.1		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	64.2		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16C_0-5 (Continued)

Lab Sample ID: 460-319407-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	17600		60.1	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	160		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3580		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	159		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	22.5		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	792		100	16.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	79.7	J	100	45.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.068	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.2		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	214		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.028		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16C_5-10

Lab Sample ID: 460-319407-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.060	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.19		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	1.01		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.89		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.15		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.93		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.85		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.053	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	4640		19.4	5.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.64	J	0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.5		0.97	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	39.7		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.52		0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Calcium	926		96.8	39.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.2		1.9	0.88	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.5		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	31.5		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	15600		58.1	19.6	mg/Kg	1	☼	6020B	Total/NA
Lead	74.5		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1260		96.8	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	134		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.7		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Potassium	550		96.8	15.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.39	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.39	0.086	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.052	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.5		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	49.4		7.7	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16J_0-5

Lab Sample ID: 460-319407-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.11	J	0.26	0.065	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.21		0.13	0.033	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16J_0-5 (Continued)

Lab Sample ID: 460-319407-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.27		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.52		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.92		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.42		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.12		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.043	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.48		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.052	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Aluminum	3310		18.5	5.1	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.18	J	0.92	0.13	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.5		0.92	0.095	mg/Kg	1	☼	6020B	Total/NA
Barium	20.4		1.8	0.13	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.42		0.37	0.053	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.10	J	0.92	0.10	mg/Kg	1	☼	6020B	Total/NA
Calcium	256		92.5	37.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.2		1.8	0.84	mg/Kg	1	☼	6020B	Total/NA
Cobalt	2.7		1.8	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	26.3		1.8	0.34	mg/Kg	1	☼	6020B	Total/NA
Iron	14300		55.5	18.7	mg/Kg	1	☼	6020B	Total/NA
Lead	19.7		0.55	0.18	mg/Kg	1	☼	6020B	Total/NA
Magnesium	656		92.5	9.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	41.9		3.7	0.37	mg/Kg	1	☼	6020B	Total/NA
Nickel	7.5		1.8	0.43	mg/Kg	1	☼	6020B	Total/NA
Potassium	547		92.5	15.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.4		1.8	0.19	mg/Kg	1	☼	6020B	Total/NA
Zinc	64.2		7.4	2.8	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: 16J_5-10

Lab Sample ID: 460-319407-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.071	J	0.26	0.066	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.12	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.18		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.37		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.21		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.22		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.15		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.26		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.057	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Aluminum	3990		19.0	5.2	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.49	J	0.95	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		0.95	0.098	mg/Kg	1	☼	6020B	Total/NA
Barium	24.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.36	J	0.38	0.054	mg/Kg	1	☼	6020B	Total/NA
Calcium	297		95.2	38.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	11.4		1.9	0.86	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.5		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	23.4		1.9	0.35	mg/Kg	1	☼	6020B	Total/NA
Iron	13900		57.1	19.2	mg/Kg	1	☼	6020B	Total/NA
Lead	27.4		0.57	0.19	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16J_5-10 (Continued)

Lab Sample ID: 460-319407-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	970		95.2	9.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	94.8		3.8	0.38	mg/Kg	1	☼	6020B	Total/NA
Nickel	6.3		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Potassium	662		95.2	15.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.33	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.12	J	0.38	0.085	mg/Kg	1	☼	6020B	Total/NA
Vanadium	17.0		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	33.9		7.6	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.017		0.016	0.0076	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16C3_3-4

Date Collected: 01/27/25 14:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-1

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,1,2-Trichloroethane	0.00085	U *	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2-Dibromo-3-Chloropropane	0.00085	U *	0.00085	0.00039	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
2-Hexanone	0.0042	U	0.0042	0.0015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Acetone	0.0051	U	0.0051	0.0049	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Ethylbenzene	0.00085	U	0.00085	0.00017	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Methylene Chloride	**0.0027**		0.0017	0.00097	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
N-Propylbenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
o-Xylene	0.00085	U	0.00085	0.00016	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1

Client Sample ID: 16C3_3-4

Date Collected: 01/27/25 14:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-1

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
trans-1,3-Dichloropropene	0.00085	U *	0.00085	0.00023	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	01/28/25 20:53	01/31/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/28/25 20:53*	*01/31/25 01:33*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/28/25 20:53*	*01/31/25 01:33*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*01/28/25 20:53*	*01/31/25 01:33*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/28/25 20:53*	*01/31/25 01:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16C3_8-9

Date Collected: 01/27/25 14:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-2

Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,1,2-Trichloroethane	0.00092	U *	0.00092	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2-Dibromo-3-Chloropropane	0.00092	U *	0.00092	0.00042	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1

Client Sample ID: 16C3_8-9

Date Collected: 01/27/25 14:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-2

Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Carbon tetrachloride	0.00092	U	0.00092	0.00035	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Ethylene Dibromide	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Methylene Chloride	**0.0033**		0.0018	0.0010	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Styrene	0.00092	U	0.00092	0.00025	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Toluene	0.00092	U	0.00092	0.00021	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
trans-1,3-Dichloropropene	0.00092	U *	0.00092	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Trichloroethene	0.00092	U	0.00092	0.00029	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	01/28/25 20:54	01/31/25 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*01/28/25 20:54*	*01/31/25 01:58*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/28/25 20:54*	*01/31/25 01:58*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*01/28/25 20:54*	*01/31/25 01:58*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/28/25 20:54*	*01/31/25 01:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.6**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**96.4**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C2_2-3
Date Collected: 01/27/25 14:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-3
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,1,2-Trichloroethane	0.0010	U *	0.0010	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00047	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Acetone	**0.0062**		0.0062	0.0059	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Methylene Chloride	**0.0029**		0.0021	0.0012	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1

Client Sample ID: 16C2_2-3

Date Collected: 01/27/25 14:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-3

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
trans-1,3-Dichloropropene	0.0010	U *	0.0010	0.00027	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	01/28/25 20:54	01/31/25 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*01/28/25 20:54*	*01/31/25 02:23*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/28/25 20:54*	*01/31/25 02:23*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*01/28/25 20:54*	*01/31/25 02:23*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/28/25 20:54*	*01/31/25 02:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16C2_6-7

Date Collected: 01/27/25 14:47
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-4

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,1,2-Trichloroethane	0.0011	U *	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00049	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1

Client Sample ID: 16C2_6-7

Date Collected: 01/27/25 14:47
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-4

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Methylene Chloride	**0.0037**		0.0021	0.0012	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1
Xylenes, Total	0.0021	U	0.0021	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*01/28/25 20:55*	*01/31/25 02:48*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/28/25 20:55*	*01/31/25 02:48*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/28/25 20:55*	*01/31/25 02:48*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/28/25 20:55*	*01/31/25 02:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16C2_0-1
Date Collected: 01/27/25 14:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-5
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,1,2-Trichloroethane	0.00086	U *	0.00086	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00016	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2-Dibromo-3-Chloropropane	0.00086	U *	0.00086	0.00040	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00036	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Benzene	0.00086	U	0.00086	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Bromoform	0.00086	U	0.00086	0.00037	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chlorobenzene	0.00086	U	0.00086	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chlorobromomethane	0.00086	U	0.00086	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chlorodibromomethane	0.00086	U	0.00086	0.00017	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chloroform	0.00086	U	0.00086	0.00083	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Chloromethane	0.00086	U	0.00086	0.00037	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Ethylbenzene	0.00086	U	0.00086	0.00017	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Ethylene Dibromide	0.00086	U	0.00086	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Isopropylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Methylene Chloride	**0.0023**		0.0017	0.00098	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
N-Propylbenzene	0.00086	U	0.00086	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
o-Xylene	0.00086	U	0.00086	0.00017	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1

Client Sample ID: 16C2_0-1

Date Collected: 01/27/25 14:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-5

Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
trans-1,3-Dichloropropene	0.00086	U *	0.00086	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Vinyl chloride	0.00086	U	0.00086	0.00047	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*01/28/25 20:55*	*01/31/25 03:13*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/28/25 20:55*	*01/31/25 03:13*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/28/25 20:55*	*01/31/25 03:13*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*01/28/25 20:55*	*01/31/25 03:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16C1_1-2

Date Collected: 01/27/25 14:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-6

Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,1,2,2-Tetrachloroethane	0.00079	U	0.00079	0.00017	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,1,2-Trichloroethane	0.00079	U *	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,1-Dichloroethane	0.00079	U	0.00079	0.00016	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,1-Dichloroethene	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2,3-Trichlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2,4-Trimethylbenzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2-Dibromo-3-Chloropropane	0.00079	U *	0.00079	0.00036	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2-Dichloroethane	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,2-Dichloropropane	0.00079	U	0.00079	0.00034	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,3-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
1,4-Dichlorobenzene	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00029	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Acetone	0.0048	U	0.0048	0.0045	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Benzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Bromoform	0.00079	U	0.00079	0.00034	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Bromomethane	0.0016	U	0.0016	0.00079	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1

Client Sample ID: 16C1_1-2
Date Collected: 01/27/25 14:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-6
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00079	U	0.00079	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Carbon tetrachloride	0.00079	U	0.00079	0.00031	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chlorobromomethane	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chlorodibromomethane	0.00079	U	0.00079	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chloroform	0.00079	U	0.00079	0.00077	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Chloromethane	0.00079	U	0.00079	0.00034	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
cis-1,2-Dichloroethene	0.00079	U	0.00079	0.00028	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
cis-1,3-Dichloropropene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Cyclohexane	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Dichlorobromomethane	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Dichlorodifluoromethane	0.00079	U	0.00079	0.00027	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Ethylbenzene	0.00079	U	0.00079	0.00016	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Ethylene Dibromide	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Isopropylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00041	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Methylcyclohexane	0.00079	U	0.00079	0.00040	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Methylene Chloride	**0.0023**		0.0016	0.00091	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
m-Xylene & p-Xylene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
n-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
N-Propylbenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
o-Xylene	0.00079	U	0.00079	0.00015	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
sec-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Styrene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
tert-Butylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Tetrachloroethene	0.00079	U	0.00079	0.00024	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Toluene	0.00079	U	0.00079	0.00019	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
trans-1,2-Dichloroethene	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
trans-1,3-Dichloropropene	0.00079	U *	0.00079	0.00021	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Trichloroethene	0.00079	U	0.00079	0.00025	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Trichlorofluoromethane	0.00079	U	0.00079	0.00032	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Vinyl chloride	0.00079	U	0.00079	0.00043	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/28/25 20:55	01/31/25 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*01/28/25 20:55*	*01/31/25 03:38*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*01/28/25 20:55*	*01/31/25 03:38*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*01/28/25 20:55*	*01/31/25 03:38*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/28/25 20:55*	*01/31/25 03:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.1**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16C1_7-8

Date Collected: 01/27/25 14:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-7

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,1,2-Trichloroethane	0.0010	U *	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00048	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Ethylene Dibromide	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Methyl acetate	0.0052	U	0.0052	0.0044	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Methylene Chloride	**0.0029**		0.0021	0.0012	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1

Client Sample ID: 16C1_7-8

Date Collected: 01/27/25 14:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-7

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
trans-1,3-Dichloropropene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/28/25 20:56*	*01/31/25 04:03*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/28/25 20:56*	*01/31/25 04:03*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/28/25 20:56*	*01/31/25 04:03*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/28/25 20:56*	*01/31/25 04:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16B2_1-2

Date Collected: 01/27/25 13:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-8

Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,1,2-Trichloroethane	0.0010	U *	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00046	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1

Client Sample ID: 16B2_1-2
Date Collected: 01/27/25 13:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-8
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Methylene Chloride	**0.0027**		0.0020	0.0011	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
trans-1,3-Dichloropropene	0.0010	U *	0.0010	0.00027	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	01/28/25 20:56	01/31/25 04:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/28/25 20:56*	*01/31/25 04:29*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/28/25 20:56*	*01/31/25 04:29*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*01/28/25 20:56*	*01/31/25 04:29*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/28/25 20:56*	*01/31/25 04:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16B3_7-8
Date Collected: 01/27/25 13:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-9
Matrix: Solid
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,1,2-Trichloroethane	0.0011	U *	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00049	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Methylene Chloride	**0.0040**		0.0021	0.0012	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1

Client Sample ID: 16B3_7-8

Lab Sample ID: 460-319407-9

Date Collected: 01/27/25 13:25
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00028	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1
Xylenes, Total	0.0021	U	0.0021	0.00019	mg/Kg	☼	01/28/25 20:57	01/31/25 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*01/28/25 20:57*	*01/31/25 04:54*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/28/25 20:57*	*01/31/25 04:54*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*01/28/25 20:57*	*01/31/25 04:54*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/28/25 20:57*	*01/31/25 04:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**97.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16J3_5-6

Lab Sample ID: 460-319407-10

Date Collected: 01/27/25 10:55
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 98.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,1,2-Trichloroethane	0.0013	U *	0.0013	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2-Dibromo-3-Chloropropane	0.0013	U *	0.0013	0.00061	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00048	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
2-Hexanone	0.0066	U	0.0066	0.0023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0020	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Acetone	0.0079	U	0.0079	0.0075	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1

Client Sample ID: 16J3_5-6

Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-10

Matrix: Solid
Percent Solids: 98.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Methylene Chloride	**0.0052**		0.0026	0.0015	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
sec-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
trans-1,3-Dichloropropene	0.0013	U *	0.0013	0.00035	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	01/28/25 20:57	01/31/25 05:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*01/28/25 20:57*	*01/31/25 05:18*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/28/25 20:57*	*01/31/25 05:18*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*01/28/25 20:57*	*01/31/25 05:18*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/28/25 20:57*	*01/31/25 05:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.6**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**98.4**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16J1_3-4
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-11
Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00052	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
2-Butanone (MEK)	0.0057	U	0.0057	0.00042	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
2-Hexanone	0.0057	U	0.0057	0.0019	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
4-Methyl-2-pentanone (MIBK)	0.0057	U	0.0057	0.0018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Acetone	**0.0066**	**J**	0.0068	0.0065	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Ethylbenzene	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Methylene Chloride	**0.0039**		0.0023	0.0013	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
N-Propylbenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
sec-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1

Client Sample ID: 16J1_3-4

Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-11

Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*01/28/25 20:58*	*01/31/25 11:11*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/28/25 20:58*	*01/31/25 11:11*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*01/28/25 20:58*	*01/31/25 11:11*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/28/25 20:58*	*01/31/25 11:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.6**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.4**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16A2_2-3

Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-12

Matrix: Solid
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00046	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Acetone	0.0060	U	0.0060	0.0058	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1

Client Sample ID: 16A2_2-3
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-12
Matrix: Solid
Percent Solids: 97.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
trans-1,3-Dichloropropene	0.0010	U *	0.0010	0.00027	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*01/28/25 20:58*	*01/31/25 11:36*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/28/25 20:58*	*01/31/25 11:36*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*01/28/25 20:58*	*01/31/25 11:36*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/28/25 20:58*	*01/31/25 11:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**97.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 16A3_9-10
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-13
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00082	U	0.00082	0.00019	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00082	U	0.00082	0.00025	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,1,2-Trichloroethane	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,1-Dichloroethane	0.00082	U	0.00082	0.00017	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,1-Dichloroethene	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2,3-Trichlorobenzene	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2,4-Trichlorobenzene	0.00082	U	0.00082	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2,4-Trimethylbenzene	0.00082	U	0.00082	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2-Dibromo-3-Chloropropane	0.00082	U *	0.00082	0.00038	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2-Dichloroethane	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,2-Dichloropropane	0.00082	U	0.00082	0.00035	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,3,5-Trimethylbenzene	0.00082	U	0.00082	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,3-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
1,4-Dichlorobenzene	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Acetone	**0.0089**		0.0049	0.0047	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Benzene	0.00082	U	0.00082	0.00021	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Bromoform	0.00082	U	0.00082	0.00035	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Bromomethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Carbon disulfide	0.00082	U	0.00082	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Carbon tetrachloride	0.00082	U	0.00082	0.00032	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chlorobenzene	0.00082	U	0.00082	0.00014	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chlorobromomethane	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chlorodibromomethane	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chloroform	0.00082	U	0.00082	0.00079	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Chloromethane	0.00082	U	0.00082	0.00036	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
cis-1,2-Dichloroethene	0.00082	U	0.00082	0.00029	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
cis-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Cyclohexane	0.00082	U	0.00082	0.00018	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Dichlorobromomethane	0.00082	U	0.00082	0.00021	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Dichlorodifluoromethane	0.00082	U	0.00082	0.00028	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Ethylbenzene	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Ethylene Dibromide	0.00082	U	0.00082	0.00015	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Isopropylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Methyl tert-butyl ether	0.00082	U	0.00082	0.00042	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Methylcyclohexane	0.00082	U	0.00082	0.00041	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Methylene Chloride	**0.0012**	**J**	0.0016	0.00094	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
m-Xylene & p-Xylene	0.00082	U	0.00082	0.00014	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
n-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
N-Propylbenzene	0.00082	U	0.00082	0.00014	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
o-Xylene	0.00082	U	0.00082	0.00016	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
sec-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Styrene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1

Client Sample ID: 16A3_9-10

Lab Sample ID: 460-319407-13

Date Collected: 01/27/25 12:35
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Tetrachloroethene	0.00082	U	0.00082	0.00025	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Toluene	0.00082	U	0.00082	0.00019	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
trans-1,2-Dichloroethene	0.00082	U	0.00082	0.00020	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
trans-1,3-Dichloropropene	0.00082	U *	0.00082	0.00022	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Trichloroethene	0.00082	U	0.00082	0.00026	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Trichlorofluoromethane	0.00082	U	0.00082	0.00033	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Vinyl chloride	0.00082	U	0.00082	0.00045	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/28/25 20:58	01/31/25 12:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*01/28/25 20:58*	*01/31/25 12:01*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*01/28/25 20:58*	*01/31/25 12:01*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*01/28/25 20:58*	*01/31/25 12:01*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/28/25 20:58*	*01/31/25 12:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.1**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.9**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12A1-7-8

Lab Sample ID: 460-319407-14

Date Collected: 01/27/25 08:40
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2-Dibromo-3-Chloropropane	0.00095	U *	0.00095	0.00044	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00021	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Benzene	0.00095	U	0.00095	0.00024	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1

Client Sample ID: 12A1-7-8
Date Collected: 01/27/25 08:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-14
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chlorobromomethane	0.00095	U	0.00095	0.00027	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chlorodibromomethane	0.00095	U	0.00095	0.00018	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chloroethane	0.00095	U	0.00095	0.00049	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Ethylbenzene	0.00095	U	0.00095	0.00019	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Ethylene Dibromide	0.00095	U	0.00095	0.00017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00048	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Methylene Chloride	**0.0026**		0.0019	0.0011	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00016	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
N-Propylbenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
o-Xylene	0.00095	U	0.00095	0.00018	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
trans-1,3-Dichloropropene	0.00095	U *	0.00095	0.00025	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00038	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	01/28/25 20:59	01/31/25 12:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*01/28/25 20:59*	*01/31/25 12:25*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/28/25 20:59*	*01/31/25 12:25*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*01/28/25 20:59*	*01/31/25 12:25*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/28/25 20:59*	*01/31/25 12:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.7**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12A2-4-5
Date Collected: 01/27/25 09:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-15
Matrix: Solid
Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00051	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Methylene Chloride	**0.0033**		0.0022	0.0013	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1

Client Sample ID: 12A2-4-5

Date Collected: 01/27/25 09:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-15

Matrix: Solid
Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00030	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	01/28/25 20:59	01/31/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*01/28/25 20:59*	*01/31/25 12:50*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*01/28/25 20:59*	*01/31/25 12:50*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*01/28/25 20:59*	*01/31/25 12:50*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*01/28/25 20:59*	*01/31/25 12:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.7**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**90.3**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12A_0-5

Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16

Matrix: Solid
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4-Dimethylphenol	0.36	U	0.36	0.044	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
3,3'-Dichlorobenzidine	0.15	U *	0.15	0.055	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
3-Nitroaniline	0.36	U *	0.36	0.087	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1

Client Sample ID: 12A_0-5
Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.36	U	0.36	0.021	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Chloroaniline	0.36	U *	0.36	0.065	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzo[a]anthracene	0.036	U	0.036	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzo[g,h,i]perylene	**0.012**	**J**	0.36	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1
Pyrene	**0.0098**	**J**	0.36	0.0091	mg/Kg	☼	01/30/25 20:24	01/31/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*01/30/25 20:24*	*01/31/25 11:53*	*1*
2-Fluorobiphenyl	*85*		*38 - 128*	*01/30/25 20:24*	*01/31/25 11:53*	*1*

Client Sample ID: 12A_0-5

Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16

Matrix: Solid
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	80		31 - 133	01/30/25 20:24	01/31/25 11:53	1
Nitrobenzene-d5 (Surr)	81		31 - 120	01/30/25 20:24	01/31/25 11:53	1
Phenol-d5 (Surr)	80		35 - 132	01/30/25 20:24	01/31/25 11:53	1
Terphenyl-d14 (Surr)	83		44 - 147	01/30/25 20:24	01/31/25 11:53	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/30/25 16:17	01/31/25 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	50		17 - 150	01/30/25 16:17	01/31/25 07:01	1
DCB Decachlorobiphenyl	49		17 - 150	01/30/25 16:17	01/31/25 07:01	1
Tetrachloro-m-xylene	43		21 - 150	01/30/25 16:17	01/31/25 07:01	1
Tetrachloro-m-xylene	43		21 - 150	01/30/25 16:17	01/31/25 07:01	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 13:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	45		20 - 150	01/30/25 16:01	01/31/25 13:47	1

Client Sample ID: 12A_0-5
Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*59*		*20 - 150*	*01/30/25 16:01*	*01/31/25 13:47*	*1*
Tetrachloro-m-xylene	*38*		*20 - 150*	*01/30/25 16:01*	*01/31/25 13:47*	*1*
Tetrachloro-m-xylene	*37*		*20 - 150*	*01/30/25 16:01*	*01/31/25 13:47*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoropentanoic acid (PFPeA)	**0.30**		0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorohexanoic acid (PFHxA)	**0.23**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoroheptanoic acid (PFHpA)	**0.31**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorooctanoic acid (PFOA)	**0.40**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorononanoic acid (PFNA)	**2.23**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorodecanoic acid (PFDA)	**0.56**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoroundecanoic acid (PFUnA)	**6.09**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorododecanoic acid (PFDoA)	**0.26**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorotridecanoic acid (PFTrDA)	**3.93**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorotetradecanoic acid (PFTeDA)	**0.075**	**J**	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorooctanesulfonic acid (PFOS)	**0.054**	**J**	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.17**	**J**	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1

Client Sample ID: 12A_0-5
Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16
Matrix: Solid
Percent Solids: 90.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 20:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C5 PFPeA	*96.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C5 PFHxA	*91.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C4 PFHpA	*90.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C8 PFOA	*90.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C9 PFNA	*99.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C6 PFDA	*94.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C7 PFUnA	*86.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C2 PFTeDA	*80.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C3 PFBS	*87.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C3 PFHxS	*84.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C8 PFOS	*84.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C8 FOSA	*85.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d3-NMeFOSAA	*86.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d5-NEtFOSAA	*114*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
M2-4:2 FTS	*95.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
M2-6:2 FTS	*92.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
M2-8:2 FTS	*90.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C3 HFPO-DA	*95.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d7-N-MeFOSE-M	*55.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d9-N-EtFOSE-M	*54.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d5-NEtPFOSA	*65.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
d3-NMePFOSA	*69.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*
13C2-PFDoDA	*83.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 20:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5270**		21.1	5.8	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Antimony	**0.56**	**J**	1.1	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Arsenic	**6.8**		1.1	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1

Client Sample ID: 12A_0-5

Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16

Matrix: Solid
Percent Solids: 90.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	40.0		2.1	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Beryllium	0.43		0.42	0.060	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Cadmium	0.26	J	1.1	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Calcium	1890		105	42.9	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Chromium	15.2		2.1	0.96	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Cobalt	6.5		2.1	0.16	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Copper	36.6		2.1	0.39	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Iron	16600		63.2	21.3	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Lead	104		0.63	0.21	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Magnesium	2230		105	10.7	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Manganese	205		4.2	0.42	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Nickel	12.9		2.1	0.50	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Potassium	745		105	17.1	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Selenium	0.29	J	1.3	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Silver	0.21	J	0.42	0.094	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Sodium	60.4	J	105	48.2	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Thallium	0.077	J	0.42	0.043	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Vanadium	21.0		2.1	0.22	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1
Zinc	68.3		8.4	3.2	mg/Kg	☼	02/03/25 06:12	02/03/25 12:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044		0.018	0.0083	mg/Kg	☼	01/30/25 01:11	01/30/25 05:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.6		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	90.4		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 12A_5-10

Date Collected: 01/27/25 09:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-17

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1

Client Sample ID: 12A_5-10
Date Collected: 01/27/25 09:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-17
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
3,3'-Dichlorobenzidine	0.15	U *	0.15	0.056	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
3-Nitroaniline	0.37	U *	0.37	0.087	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Chloroaniline	0.37	U *	0.37	0.065	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Hexachlorobutadiene	0.075	U	0.075	0.0078	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1

Client Sample ID: 12A_5-10

Date Collected: 01/27/25 09:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-17

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1
Pyrene	0.37	U	0.37	0.0092	mg/Kg	☼	01/30/25 20:24	01/31/25 11:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 137*	*01/30/25 20:24*	*01/31/25 11:34*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*01/30/25 20:24*	*01/31/25 11:34*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*01/30/25 20:24*	*01/31/25 11:34*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*01/30/25 20:24*	*01/31/25 11:34*	*1*
Phenol-d5 (Surr)	*85*		*35 - 132*	*01/30/25 20:24*	*01/31/25 11:34*	*1*
Terphenyl-d14 (Surr)	*87*		*44 - 147*	*01/30/25 20:24*	*01/31/25 11:34*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	01/30/25 16:17	01/31/25 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:00*	*1*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:00*	*1*
Tetrachloro-m-xylene	*56*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:00*	*1*
Tetrachloro-m-xylene	*51*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:00*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1

Client Sample ID: 12A_5-10

Date Collected: 01/27/25 09:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-17

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:03*	*1*
DCB Decachlorobiphenyl	*69*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:03*	*1*
Tetrachloro-m-xylene	*63*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:03*	*1*
Tetrachloro-m-xylene	*62*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:03*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoropentanoic acid (PFPeA)	**0.22**	**J**	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorohexanoic acid (PFHxA)	**0.19**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoroheptanoic acid (PFHpA)	**0.28**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorooctanoic acid (PFOA)	**0.47**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorononanoic acid (PFNA)	**2.53**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorodecanoic acid (PFDA)	**0.54**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoroundecanoic acid (PFUnA)	**6.25**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorododecanoic acid (PFDoA)	**0.24**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorotridecanoic acid (PFTrDA)	**3.28**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorotetradecanoic acid (PFTeDA)	**0.068**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorooctanesulfonic acid (PFOS)	**0.059**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1

Client Sample ID: 12A_5-10
Date Collected: 01/27/25 09:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-17
Matrix: Solid
Percent Solids: 89.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C5 PFPeA	*89.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C5 PFHxA	*88.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C4 PFHpA	*87.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C8 PFOA	*85.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C9 PFNA	*98.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C6 PFDA	*87.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C7 PFUnA	*81.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C2 PFTeDA	*73.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C3 PFBS	*88.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C3 PFHxS	*84.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C8 PFOS	*85.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C8 FOSA	*83.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
d3-NMeFOSAA	*83.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
d5-NEtFOSAA	*98.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
M2-4:2 FTS	*98.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
M2-6:2 FTS	*93.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
M2-8:2 FTS	*94.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
13C3 HFPO-DA	*90.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
d7-N-MeFOSE-M	*49.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*
d9-N-EtFOSE-M	*47.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:12*	*1*

Client Sample ID: 12A_5-10

Lab Sample ID: 460-319407-17

Date Collected: 01/27/25 09:20
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 89.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtPFOSA	65.6		20 - 150	01/30/25 14:32	01/31/25 21:12	1
d3-NMePFOSA	68.7		20 - 150	01/30/25 14:32	01/31/25 21:12	1
13C2-PFDoDA	77.1		20 - 150	01/30/25 14:32	01/31/25 21:12	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5100		20.4	5.6	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Antimony	0.54	J	1.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Arsenic	7.2		1.0	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Barium	34.9		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Beryllium	0.46		0.41	0.058	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Cadmium	0.15	J	1.0	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Calcium	1670		102	41.4	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Chromium	12.9		2.0	0.92	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Cobalt	5.1		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Copper	33.0		2.0	0.37	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Iron	15400		61.1	20.6	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Lead	62.6		0.61	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Magnesium	2120		102	10.4	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Manganese	199		4.1	0.41	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Nickel	10.9		2.0	0.48	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Potassium	776		102	16.5	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Selenium	0.23	J	1.3	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Silver	0.19	J	0.41	0.091	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Sodium	50.4	J	102	46.5	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Thallium	0.073	J	0.41	0.042	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Vanadium	19.4		2.0	0.21	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1
Zinc	51.9		8.1	3.1	mg/Kg	☼	02/03/25 06:12	02/03/25 12:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.018	0.0087	mg/Kg	☼	01/30/25 01:11	01/30/25 05:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.7		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	89.3		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16A_0-5

Lab Sample ID: 460-319407-18

Date Collected: 01/27/25 12:45
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1

Client Sample ID: 16A_0-5
Date Collected: 01/27/25 12:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-18
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
3,3'-Dichlorobenzidine	0.14	U *	0.14	0.054	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
3-Nitroaniline	0.35	U *	0.35	0.084	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Chloroaniline	0.35	U *	0.35	0.063	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzo[a]anthracene	0.035	U	0.035	0.027	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0092	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1

Client Sample ID: 16A_0-5

Date Collected: 01/27/25 12:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-18

Matrix: Solid
Percent Solids: 93.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.072	U	0.072	0.0075	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Hexachlorocyclopentadiene	0.35	U *	0.35	0.031	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Pentachlorophenol	0.28	U	0.28	0.073	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1
Pyrene	0.35	U	0.35	0.0088	mg/Kg	☼	01/30/25 20:24	01/31/25 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*01/30/25 20:24*	*01/31/25 11:15*	*1*
2-Fluorobiphenyl	*86*		*38 - 128*	*01/30/25 20:24*	*01/31/25 11:15*	*1*
2-Fluorophenol (Surr)	*80*		*31 - 133*	*01/30/25 20:24*	*01/31/25 11:15*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*01/30/25 20:24*	*01/31/25 11:15*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*01/30/25 20:24*	*01/31/25 11:15*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*01/30/25 20:24*	*01/31/25 11:15*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	01/30/25 16:17	01/31/25 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:12*	*1*
DCB Decachlorobiphenyl	*58*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:12*	*1*
Tetrachloro-m-xylene	*60*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:12*	*1*

Client Sample ID: 16A_0-5
Date Collected: 01/27/25 12:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-18
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*54*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:20*	*1*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:20*	*1*
Tetrachloro-m-xylene	*70*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:20*	*1*
Tetrachloro-m-xylene	*68*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:20*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorohexanoic acid (PFHxA)	**0.069**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorooctanoic acid (PFOA)	**0.28**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorononanoic acid (PFNA)	**0.62**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorodecanoic acid (PFDA)	**0.25**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoroundecanoic acid (PFUnA)	**2.37**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorododecanoic acid (PFDoA)	**0.090**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorotridecanoic acid (PFTrDA)	**1.11**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorooctanesulfonic acid (PFOS)	**0.037**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1

Client Sample ID: 16A_0-5
Date Collected: 01/27/25 12:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-18
Matrix: Solid
Percent Solids: 93.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.40	U	3.40	0.85	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.40	U	3.40	0.85	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 21:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C5 PFPeA	*84.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C5 PFHxA	*81.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C4 PFHpA	*83.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C8 PFOA	*85.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C9 PFNA	*97.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C6 PFDA	*89.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C7 PFUnA	*88.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C2 PFTeDA	*82.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C3 PFBS	*90.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C3 PFHxS	*86.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C8 PFOS	*86.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
13C8 FOSA	*107*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
d3-NMeFOSAA	*96.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*
d5-NEtFOSAA	*97.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:29*	*1*

Client Sample ID: 16A_0-5

Lab Sample ID: 460-319407-18

Date Collected: 01/27/25 12:45
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	137		20 - 150	01/30/25 14:32	01/31/25 21:29	1
M2-6:2 FTS	117		20 - 150	01/30/25 14:32	01/31/25 21:29	1
M2-8:2 FTS	113		20 - 150	01/30/25 14:32	01/31/25 21:29	1
13C3 HFPO-DA	78.0		20 - 150	01/30/25 14:32	01/31/25 21:29	1
d7-N-MeFOSE-M	61.5		20 - 150	01/30/25 14:32	01/31/25 21:29	1
d9-N-EtFOSE-M	58.0		20 - 150	01/30/25 14:32	01/31/25 21:29	1
d5-NEtPFOSA	69.4		20 - 150	01/30/25 14:32	01/31/25 21:29	1
d3-NMePFOSA	78.1		20 - 150	01/30/25 14:32	01/31/25 21:29	1
13C2-PFDoDA	89.0		20 - 150	01/30/25 14:32	01/31/25 21:29	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4630		21.4	5.9	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Antimony	0.58	J	1.1	0.16	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Arsenic	7.0		1.1	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Barium	30.6		2.1	0.16	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Beryllium	1.5		0.43	0.061	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Cadmium	0.19	J	1.1	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Calcium	3080		107	43.6	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Chromium	22.2		2.1	0.97	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Cobalt	5.3		2.1	0.16	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Copper	63.9		2.1	0.39	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Iron	15500		64.3	21.7	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Lead	114		0.64	0.21	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Magnesium	2680		107	10.9	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Manganese	97.1		4.3	0.43	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Nickel	24.2		2.1	0.50	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Potassium	598		107	17.4	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Selenium	0.37	J	1.3	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Silver	0.23	J	0.43	0.095	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Sodium	58.0	J	107	49.0	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Thallium	0.062	J	0.43	0.044	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Vanadium	19.3		2.1	0.22	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1
Zinc	206		8.6	3.3	mg/Kg	☼	02/03/25 06:12	02/03/25 12:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.016	0.0077	mg/Kg	☼	01/30/25 01:11	01/30/25 05:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.7		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	93.3		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16A_5-10

Lab Sample ID: 460-319407-19

Date Collected: 01/27/25 12:50
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1

Client Sample ID: 16A_5-10
Date Collected: 01/27/25 12:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-19
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1

Client Sample ID: 16A_5-10

Date Collected: 01/27/25 12:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-19

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	01/31/25 20:05	02/01/25 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*24 - 137*	*01/31/25 20:05*	*02/01/25 13:22*	*1*
2-Fluorobiphenyl	*73*		*38 - 128*	*01/31/25 20:05*	*02/01/25 13:22*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*01/31/25 20:05*	*02/01/25 13:22*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*01/31/25 20:05*	*02/01/25 13:22*	*1*
Phenol-d5 (Surr)	*72*		*35 - 132*	*01/31/25 20:05*	*02/01/25 13:22*	*1*
Terphenyl-d14 (Surr)	*74*		*44 - 147*	*01/31/25 20:05*	*02/01/25 13:22*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1

Client Sample ID: 16A_5-10

Date Collected: 01/27/25 12:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-19

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/30/25 16:17	01/31/25 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:24*	*1*
DCB Decachlorobiphenyl	*54*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:24*	*1*
Tetrachloro-m-xylene	*60*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:24*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:24*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/30/25 16:01	01/31/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:37*	*1*
DCB Decachlorobiphenyl	*66*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:37*	*1*
Tetrachloro-m-xylene	*62*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:37*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:37*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorohexanoic acid (PFHxA)	**0.037**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoroheptanoic acid (PFHpA)	**0.082**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorooctanoic acid (PFOA)	**0.29**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorononanoic acid (PFNA)	**0.47**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorodecanoic acid (PFDA)	**0.16**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoroundecanoic acid (PFUnA)	**1.43**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorododecanoic acid (PFDoA)	**0.091**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorotridecanoic acid (PFTrDA)	**1.45**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorooctanesulfonic acid (PFOS)	**0.056**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1

Client Sample ID: 16A_5-10
Date Collected: 01/27/25 12:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-19
Matrix: Solid
Percent Solids: 90.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 21:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C5 PFPeA	*89.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C5 PFHxA	*87.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C4 PFHpA	*86.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C8 PFOA	*87.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C9 PFNA	*99.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C6 PFDA	*91.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C7 PFUnA	*78.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*
13C2 PFTeDA	*75.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 21:46*	*1*

Client Sample ID: 16A_5-10

Date Collected: 01/27/25 12:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-19

Matrix: Solid
Percent Solids: 90.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	90.4		20 - 150	01/30/25 14:32	01/31/25 21:46	1
13C3 PFHxS	87.1		20 - 150	01/30/25 14:32	01/31/25 21:46	1
13C8 PFOS	85.8		20 - 150	01/30/25 14:32	01/31/25 21:46	1
13C8 FOSA	85.9		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d3-NMeFOSAA	84.3		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d5-NEtFOSAA	97.7		20 - 150	01/30/25 14:32	01/31/25 21:46	1
M2-4:2 FTS	103		20 - 150	01/30/25 14:32	01/31/25 21:46	1
M2-6:2 FTS	101		20 - 150	01/30/25 14:32	01/31/25 21:46	1
M2-8:2 FTS	94.6		20 - 150	01/30/25 14:32	01/31/25 21:46	1
13C3 HFPO-DA	89.7		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d7-N-MeFOSE-M	66.1		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d9-N-EtFOSE-M	65.1		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d5-NEtPFOSA	62.1		20 - 150	01/30/25 14:32	01/31/25 21:46	1
d3-NMePFOSA	69.6		20 - 150	01/30/25 14:32	01/31/25 21:46	1
13C2-PFDoDA	76.8		20 - 150	01/30/25 14:32	01/31/25 21:46	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4950		20.3	5.6	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Antimony	0.83	J	1.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Arsenic	8.2		1.0	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Barium	32.3		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Beryllium	1.2		0.41	0.058	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Cadmium	0.17	J	1.0	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Calcium	1690		102	41.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Chromium	21.6		2.0	0.92	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Cobalt	5.4		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Copper	66.4		2.0	0.37	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Iron	17200		61.0	20.5	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Lead	129		0.61	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Magnesium	2030		102	10.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Manganese	147		4.1	0.41	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Nickel	24.3		2.0	0.48	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Potassium	595		102	16.5	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Selenium	0.38	J	1.3	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Silver	0.30	J	0.41	0.091	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Sodium	73.2	J	102	46.5	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Thallium	0.053	J	0.41	0.042	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Vanadium	20.4		2.0	0.21	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1
Zinc	168		8.1	3.1	mg/Kg	☼	02/03/25 06:12	02/03/25 13:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.017	0.0081	mg/Kg	☼	01/30/25 01:11	01/30/25 05:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.8		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	90.2		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16B_0-5
Date Collected: 01/27/25 13:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-20
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,4-Dinitrotoluene	0.072	U	0.072	0.039	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1

Client Sample ID: 16B_0-5

Date Collected: 01/27/25 13:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-20

Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	01/31/25 20:05	02/01/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 137*	*01/31/25 20:05*	*02/01/25 14:20*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/31/25 20:05*	*02/01/25 14:20*	*1*
2-Fluorophenol (Surr)	*74*		*31 - 133*	*01/31/25 20:05*	*02/01/25 14:20*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*01/31/25 20:05*	*02/01/25 14:20*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*01/31/25 20:05*	*02/01/25 14:20*	*1*
Terphenyl-d14 (Surr)	*76*		*44 - 147*	*01/31/25 20:05*	*02/01/25 14:20*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1

Client Sample ID: 16B_0-5

Date Collected: 01/27/25 13:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-20

Matrix: Solid
Percent Solids: 92.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*57*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
DCB Decachlorobiphenyl	*50*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
Tetrachloro-m-xylene	*48*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:54*	*1*
DCB Decachlorobiphenyl	*58*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:54*	*1*
Tetrachloro-m-xylene	*52*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:54*	*1*
Tetrachloro-m-xylene	*52*		*20 - 150*	*01/30/25 16:01*	*01/31/25 14:54*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorohexanoic acid (PFHxA)	**0.042**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoroheptanoic acid (PFHpA)	**0.055**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorononanoic acid (PFNA)	**0.39**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorodecanoic acid (PFDA)	**0.23**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoroundecanoic acid (PFUnA)	**2.27**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorododecanoic acid (PFDoA)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorotridecanoic acid (PFTrDA)	**1.12**		0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorooctanesulfonic acid (PFOS)	**0.058**	**J**	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1

Client Sample ID: 16B_0-5
Date Collected: 01/27/25 13:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-20
Matrix: Solid
Percent Solids: 92.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.42	U	3.42	0.86	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.42	U	3.42	0.86	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	01/30/25 14:32	01/31/25 22:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C5 PFPeA	*92.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C5 PFHxA	*91.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C4 PFHpA	*92.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C8 PFOA	*88.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C9 PFNA	*101*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C6 PFDA	*89.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*
13C7 PFUnA	*81.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:02*	*1*

Client Sample ID: 16B_0-5
Date Collected: 01/27/25 13:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-20
Matrix: Solid
Percent Solids: 92.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	77.5		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C3 PFBS	90.1		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C3 PFHxS	85.9		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C8 PFOS	86.3		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C8 FOSA	85.9		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d3-NMeFOSAA	84.8		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d5-NEtFOSAA	98.0		20 - 150	01/30/25 14:32	01/31/25 22:02	1
M2-4:2 FTS	102		20 - 150	01/30/25 14:32	01/31/25 22:02	1
M2-6:2 FTS	101		20 - 150	01/30/25 14:32	01/31/25 22:02	1
M2-8:2 FTS	93.4		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C3 HFPO-DA	92.2		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d7-N-MeFOSE-M	58.8		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d9-N-EtFOSE-M	52.6		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d5-NEtPFOSA	65.3		20 - 150	01/30/25 14:32	01/31/25 22:02	1
d3-NMePFOSA	69.8		20 - 150	01/30/25 14:32	01/31/25 22:02	1
13C2-PFDoDA	78.0		20 - 150	01/30/25 14:32	01/31/25 22:02	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4730		19.4	5.3	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Antimony	1.1		0.97	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Arsenic	10.5		0.97	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Barium	34.3		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Beryllium	1.2		0.39	0.055	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Cadmium	0.16	J	0.97	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Calcium	1500		96.8	39.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Chromium	23.2		1.9	0.88	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Cobalt	5.5		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Copper	61.2		1.9	0.36	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Iron	15600		58.1	19.6	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Lead	166		0.58	0.19	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Magnesium	1810		96.8	9.9	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Manganese	134		3.9	0.39	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Nickel	16.2		1.9	0.45	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Potassium	574		96.8	15.7	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Selenium	0.40	J	1.2	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Silver	0.34	J	0.39	0.086	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Sodium	51.9	J	96.8	44.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Thallium	0.061	J	0.39	0.040	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Vanadium	19.1		1.9	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1
Zinc	159		7.7	3.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.018	0.0087	mg/Kg	☼	01/30/25 01:11	01/30/25 05:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.8		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	92.2		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16B_5-10
Date Collected: 01/27/25 13:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-21
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4-Dimethylphenol	0.36	U	0.36	0.042	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Chloronaphthalene	0.36	U	0.36	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
3-Nitroaniline	0.36	U	0.36	0.084	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Nitroaniline	0.36	U	0.36	0.041	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Acetophenone	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0092	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Caprolactam	0.36	U	0.36	0.055	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1

Client Sample ID: 16B_5-10

Date Collected: 01/27/25 13:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-21

Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	01/31/25 20:05	02/01/25 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*01/31/25 20:05*	*02/01/25 14:39*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/31/25 20:05*	*02/01/25 14:39*	*1*
2-Fluorophenol (Surr)	*74*		*31 - 133*	*01/31/25 20:05*	*02/01/25 14:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*01/31/25 20:05*	*02/01/25 14:39*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*01/31/25 20:05*	*02/01/25 14:39*	*1*
Terphenyl-d14 (Surr)	*77*		*44 - 147*	*01/31/25 20:05*	*02/01/25 14:39*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1

Client Sample ID: 16B_5-10
Date Collected: 01/27/25 13:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-21
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	01/30/25 16:17	01/31/25 09:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
Tetrachloro-m-xylene	*71*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*
Tetrachloro-m-xylene	*71*		*21 - 150*	*01/30/25 16:17*	*01/31/25 09:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	01/30/25 16:01	01/31/25 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*20 - 150*	*01/30/25 16:01*	*01/31/25 15:10*	*1*
DCB Decachlorobiphenyl	*67*		*20 - 150*	*01/30/25 16:01*	*01/31/25 15:10*	*1*
Tetrachloro-m-xylene	*62*		*20 - 150*	*01/30/25 16:01*	*01/31/25 15:10*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*01/30/25 16:01*	*01/31/25 15:10*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorohexanoic acid (PFHxA)	**0.079**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoroheptanoic acid (PFHpA)	**0.18**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorooctanoic acid (PFOA)	**0.68**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorononanoic acid (PFNA)	**1.24**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorodecanoic acid (PFDA)	**0.079**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoroundecanoic acid (PFUnA)	**0.75**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorotridecanoic acid (PFTrDA)	**0.35**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorooctanesulfonic acid (PFOS)	**0.072**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1

Client Sample ID: 16B_5-10
Date Collected: 01/27/25 13:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-21
Matrix: Solid
Percent Solids: 92.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.34	U	1.34	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.34	U	1.34	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.35	U	3.35	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.35	U	3.35	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 22:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C5 PFPeA	*90.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C5 PFHxA	*84.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C4 PFHpA	*85.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C8 PFOA	*84.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C9 PFNA	*95.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C6 PFDA	*86.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C7 PFUnA	*81.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*
13C2 PFTeDA	*45.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 22:19*	*1*

Client Sample ID: 16B_5-10

Date Collected: 01/27/25 13:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-21

Matrix: Solid
Percent Solids: 92.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	85.7		20 - 150	01/30/25 14:32	01/31/25 22:19	1
13C3 PFHxS	82.0		20 - 150	01/30/25 14:32	01/31/25 22:19	1
13C8 PFOS	82.7		20 - 150	01/30/25 14:32	01/31/25 22:19	1
13C8 FOSA	82.9		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d3-NMeFOSAA	75.6		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d5-NEtFOSAA	88.3		20 - 150	01/30/25 14:32	01/31/25 22:19	1
M2-4:2 FTS	103		20 - 150	01/30/25 14:32	01/31/25 22:19	1
M2-6:2 FTS	95.6		20 - 150	01/30/25 14:32	01/31/25 22:19	1
M2-8:2 FTS	91.7		20 - 150	01/30/25 14:32	01/31/25 22:19	1
13C3 HFPO-DA	89.8		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d7-N-MeFOSE-M	53.4		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d9-N-EtFOSE-M	49.4		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d5-NEtPFOSA	60.4		20 - 150	01/30/25 14:32	01/31/25 22:19	1
d3-NMePFOSA	66.0		20 - 150	01/30/25 14:32	01/31/25 22:19	1
13C2-PFDoDA	72.2		20 - 150	01/30/25 14:32	01/31/25 22:19	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5710		19.7	5.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Antimony	0.85	J	0.98	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Arsenic	9.6		0.98	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Barium	42.0		2.0	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Beryllium	0.53		0.39	0.056	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Cadmium	0.14	J	0.98	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Calcium	666		98.4	40.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Chromium	13.1		2.0	0.89	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Cobalt	4.9		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Copper	40.4		2.0	0.36	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Iron	15700		59.0	19.9	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Lead	53.6		0.59	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Magnesium	1740		98.4	10.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Manganese	220		3.9	0.40	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Nickel	10		2.0	0.46	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Potassium	665		98.4	15.9	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Selenium	0.49	J	1.2	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Silver	0.25	J	0.39	0.088	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Sodium	98.4	U	98.4	45.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Thallium	0.22	J	0.39	0.040	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Vanadium	18.6		2.0	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1
Zinc	52.0		7.9	3.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.017	0.0080	mg/Kg	☼	01/30/25 01:11	01/30/25 05:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.6		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	92.4		1.0	1.0	%			02/02/25 10:21	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C_0-5
Date Collected: 01/27/25 15:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-22
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1

Client Sample ID: 16C_0-5

Date Collected: 01/27/25 15:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-22

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	01/31/25 20:05	02/01/25 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 137*	*01/31/25 20:05*	*02/01/25 14:58*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*01/31/25 20:05*	*02/01/25 14:58*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*01/31/25 20:05*	*02/01/25 14:58*	*1*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*	*01/31/25 20:05*	*02/01/25 14:58*	*1*
Phenol-d5 (Surr)	*75*		*35 - 132*	*01/31/25 20:05*	*02/01/25 14:58*	*1*
Terphenyl-d14 (Surr)	*77*		*44 - 147*	*01/31/25 20:05*	*02/01/25 14:58*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1

Client Sample ID: 16C_0-5
Date Collected: 01/27/25 15:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-22
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	01/31/25 06:37	01/31/25 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:17*	*1*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:17*	*1*
Tetrachloro-m-xylene	*107*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:17*	*1*
Tetrachloro-m-xylene	*104*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:17*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	01/31/25 06:44	01/31/25 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*119*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:37*	*1*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:37*	*1*
Tetrachloro-m-xylene	*119*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:37*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:37*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorohexanoic acid (PFHxA)	**0.054**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoroheptanoic acid (PFHpA)	**0.050**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorononanoic acid (PFNA)	**2.85**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorodecanoic acid (PFDA)	**0.21**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoroundecanoic acid (PFUnA)	**3.37**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorododecanoic acid (PFDoA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorotridecanoic acid (PFTrDA)	**2.07**		0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorotetradecanoic acid (PFTeDA)	**0.049**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1

Client Sample ID: 16C_0-5
Date Collected: 01/27/25 15:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-22
Matrix: Solid
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.065**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluorodecanesulfonic acid (PFDS)	**0.038**	**J**	0.14	0.035	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	01/30/25 14:32	01/31/25 23:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*
13C5 PFPeA	*87.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*
13C5 PFHxA	*87.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*
13C4 PFHpA	*87.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*
13C8 PFOA	*83.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*
13C9 PFNA	*91.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:09*	*1*

Client Sample ID: 16C_0-5
Date Collected: 01/27/25 15:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-22
Matrix: Solid
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	82.4		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C7 PFUnA	77.7		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C2 PFTeDA	71.4		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C3 PFBS	82.4		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C3 PFHxS	80.2		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C8 PFOS	79.7		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C8 FOSA	78.2		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d3-NMeFOSAA	71.5		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d5-NEtFOSAA	102		20 - 150	01/30/25 14:32	01/31/25 23:09	1
M2-4:2 FTS	84.6		20 - 150	01/30/25 14:32	01/31/25 23:09	1
M2-6:2 FTS	82.9		20 - 150	01/30/25 14:32	01/31/25 23:09	1
M2-8:2 FTS	76.6		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C3 HFPO-DA	89.5		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d7-N-MeFOSE-M	60.1		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d9-N-EtFOSE-M	59.4		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d5-NEtPFOSA	59.3		20 - 150	01/30/25 14:32	01/31/25 23:09	1
d3-NMePFOSA	65.1		20 - 150	01/30/25 14:32	01/31/25 23:09	1
13C2-PFDoDA	77.5		20 - 150	01/30/25 14:32	01/31/25 23:09	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5550		20.0	5.5	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Antimony	0.79	J	1.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Arsenic	7.8		1.0	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Barium	40.9		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Beryllium	1.9		0.40	0.057	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Cadmium	0.22	J	1.0	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Calcium	3870		100	40.8	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Chromium	24.1		2.0	0.91	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Cobalt	6.8		2.0	0.15	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Copper	64.2		2.0	0.37	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Iron	17600		60.1	20.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Lead	160		0.60	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Magnesium	3580		100	10.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Manganese	159		4.0	0.40	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Nickel	22.5		2.0	0.47	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Potassium	792		100	16.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Selenium	0.31	J	1.3	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Silver	0.28	J	0.40	0.089	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Sodium	79.7	J	100	45.8	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Thallium	0.068	J	0.40	0.041	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Vanadium	21.2		2.0	0.21	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1
Zinc	214		8.0	3.1	mg/Kg	☼	02/03/25 06:12	02/03/25 13:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0088	mg/Kg	☼	01/30/25 01:11	01/30/25 05:48	1

Client Sample ID: 16C_0-5

Lab Sample ID: 460-319407-22

Date Collected: 01/27/25 15:00
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.3		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	90.7		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16C_5-10

Lab Sample ID: 460-319407-23

Date Collected: 01/27/25 15:10
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
3-Nitroaniline	0.35	U	0.35	0.083	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1

Client Sample ID: 16C_5-10
Date Collected: 01/27/25 15:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-23
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Hexachlorocyclopentadiene	0.35	U *	0.35	0.031	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Nitrobenzene	0.035	U	0.035	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	01/31/25 20:05	02/01/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 137*	*01/31/25 20:05*	*02/01/25 15:17*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/31/25 20:05*	*02/01/25 15:17*	*1*
2-Fluorophenol (Surr)	*74*		*31 - 133*	*01/31/25 20:05*	*02/01/25 15:17*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*01/31/25 20:05*	*02/01/25 15:17*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*01/31/25 20:05*	*02/01/25 15:17*	*1*
Terphenyl-d14 (Surr)	*74*		*44 - 147*	*01/31/25 20:05*	*02/01/25 15:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1

Client Sample ID: 16C_5-10
Date Collected: 01/27/25 15:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-23
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	01/31/25 06:37	01/31/25 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:30*	*1*
DCB Decachlorobiphenyl	*91*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:30*	*1*
Tetrachloro-m-xylene	*104*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:30*	*1*
Tetrachloro-m-xylene	*101*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:54*	*1*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:54*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:54*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*01/31/25 06:44*	*01/31/25 19:54*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorohexanoic acid (PFHxA)	**0.060**	**J**	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoroheptanoic acid (PFHpA)	**0.19**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorooctanoic acid (PFOA)	**1.01**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorononanoic acid (PFNA)	**0.89**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorodecanoic acid (PFDA)	**0.15**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoroundecanoic acid (PFUnA)	**0.93**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorotridecanoic acid (PFTrDA)	**0.85**		0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1

Client Sample ID: 16C_5-10
Date Collected: 01/27/25 15:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-23
Matrix: Solid
Percent Solids: 93.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.053**	**J**	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.34	U	1.34	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.34	U	1.34	0.34	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.36	U	3.36	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.36	U	3.36	0.84	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.034	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	01/30/25 14:32	01/31/25 23:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:25*	*1*

Client Sample ID: 16C_5-10
Date Collected: 01/27/25 15:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-23
Matrix: Solid
Percent Solids: 93.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	85.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C5 PFHxA	84.5		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C4 PFHpA	82.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C8 PFOA	85.1		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C9 PFNA	96.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C6 PFDA	86.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C7 PFUnA	81.8		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C2 PFTeDA	47.9		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C3 PFBS	90.5		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C3 PFHxS	87.5		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C8 PFOS	84.4		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C8 FOSA	94.9		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d3-NMeFOSAA	74.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d5-NEtFOSAA	84.2		20 - 150	01/30/25 14:32	01/31/25 23:25	1
M2-4:2 FTS	116		20 - 150	01/30/25 14:32	01/31/25 23:25	1
M2-6:2 FTS	100		20 - 150	01/30/25 14:32	01/31/25 23:25	1
M2-8:2 FTS	96.3		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C3 HFPO-DA	82.6		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d7-N-MeFOSE-M	63.5		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d9-N-EtFOSE-M	58.8		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d5-NEtPFOSA	65.2		20 - 150	01/30/25 14:32	01/31/25 23:25	1
d3-NMePFOSA	73.9		20 - 150	01/30/25 14:32	01/31/25 23:25	1
13C2-PFDoDA	80.4		20 - 150	01/30/25 14:32	01/31/25 23:25	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4640**		19.4	5.3	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Antimony	**0.64**	**J**	0.97	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Arsenic	**9.5**		0.97	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Barium	**39.7**		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Beryllium	**0.52**		0.39	0.055	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Cadmium	0.97	U	0.97	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Calcium	**926**		96.8	39.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Chromium	**13.2**		1.9	0.88	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Cobalt	**3.5**		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Copper	**31.5**		1.9	0.36	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Iron	**15600**		58.1	19.6	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Lead	**74.5**		0.58	0.19	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Magnesium	**1260**		96.8	9.9	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Manganese	**134**		3.9	0.39	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Nickel	**7.7**		1.9	0.45	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Potassium	**550**		96.8	15.7	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Selenium	**0.39**	**J**	1.2	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Silver	**0.21**	**J**	0.39	0.086	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Sodium	96.8	U	96.8	44.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Thallium	**0.052**	**J**	0.39	0.040	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Vanadium	**17.5**		1.9	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1
Zinc	**49.4**		7.7	3.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:11	1

Client Sample ID: 16C_5-10

Date Collected: 01/27/25 15:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-23

Matrix: Solid
Percent Solids: 93.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.018	0.0085	mg/Kg	☼	01/30/25 01:11	01/30/25 05:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.1		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	93.9		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16J_0-5

Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24

Matrix: Solid
Percent Solids: 96.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4-Dinitrophenol	0.27	U	0.27	0.17	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,4-Dinitrotoluene	0.069	U	0.069	0.037	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2,6-Dinitrotoluene	0.069	U	0.069	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Chloronaphthalene	0.34	U	0.34	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Methylnaphthalene	0.34	U	0.34	0.0096	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
2-Nitrophenol	0.34	U	0.34	0.034	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
3 & 4 Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
3-Nitroaniline	0.34	U	0.34	0.081	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Chloroaniline	0.34	U	0.34	0.061	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Methylphenol	0.34	U	0.34	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Nitroaniline	0.34	U	0.34	0.039	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
4-Nitrophenol	0.69	U	0.69	0.056	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Acenaphthene	0.34	U	0.34	0.0097	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Acenaphthylene	0.34	U	0.34	0.0098	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Anthracene	0.34	U	0.34	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Benzaldehyde	0.34	U	0.34	0.057	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Benzo[a]anthracene	0.034	U	0.034	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Benzo[a]pyrene	0.034	U	0.034	0.0091	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1

Client Sample ID: 16J_0-5
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24
Matrix: Solid
Percent Solids: 96.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.034	U	0.034	0.0088	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0067	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Caprolactam	0.34	U	0.34	0.053	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Chrysene	0.34	U	0.34	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Dibenzofuran	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Dimethyl phthalate	0.34	U	0.34	0.078	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Fluorene	0.34	U	0.34	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Hexachlorobutadiene	0.069	U	0.069	0.0073	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Hexachlorocyclopentadiene	0.34	U *	0.34	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Isophorone	0.14	U	0.14	0.099	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Naphthalene	0.34	U	0.34	0.0059	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Pentachlorophenol	0.27	U	0.27	0.070	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1
Pyrene	0.34	U	0.34	0.0085	mg/Kg	☼	01/31/25 20:05	02/01/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*01/31/25 20:05*	*02/01/25 15:37*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*01/31/25 20:05*	*02/01/25 15:37*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*01/31/25 20:05*	*02/01/25 15:37*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*01/31/25 20:05*	*02/01/25 15:37*	*1*
Phenol-d5 (Surr)	*71*		*35 - 132*	*01/31/25 20:05*	*02/01/25 15:37*	*1*
Terphenyl-d14 (Surr)	*74*		*44 - 147*	*01/31/25 20:05*	*02/01/25 15:37*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0069	U	0.0069	0.0012	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
4,4'-DDE	0.0069	U	0.0069	0.00082	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
4,4'-DDT	0.0069	U	0.0069	0.0013	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Aldrin	0.0069	U	0.0069	0.0010	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
alpha-BHC	0.0021	U	0.0021	0.00070	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
beta-BHC	0.0021	U	0.0021	0.00077	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Chlordane (technical)	0.069	U	0.069	0.017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1

Client Sample ID: 16J_0-5
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24
Matrix: Solid
Percent Solids: 96.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0069	U	0.0069	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
delta-BHC	0.0021	U	0.0021	0.00042	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Dieldrin	0.0021	U	0.0021	0.00090	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endosulfan I	0.0069	U	0.0069	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endosulfan II	0.0069	U	0.0069	0.0018	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endosulfan sulfate	0.0069	U	0.0069	0.00087	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endrin	0.0069	U	0.0069	0.00099	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endrin aldehyde	0.0069	U	0.0069	0.0016	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Endrin ketone	0.0069	U	0.0069	0.0013	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00064	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Heptachlor	0.0069	U	0.0069	0.00082	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Heptachlor epoxide	0.0069	U	0.0069	0.0010	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Methoxychlor	0.0069	U	0.0069	0.0016	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1
Toxaphene	0.069	U	0.069	0.025	mg/Kg	☼	01/31/25 06:37	01/31/25 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:43*	*1*
DCB Decachlorobiphenyl	*100*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:43*	*1*
Tetrachloro-m-xylene	*110*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:43*	*1*
Tetrachloro-m-xylene	*106*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1221	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1232	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1242	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1248	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1254	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1260	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor-1262	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Aroclor 1268	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1
Polychlorinated biphenyls, Total	0.069	U	0.069	0.018	mg/Kg	☼	01/31/25 06:44	01/31/25 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:11*	*1*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:11*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:11*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:11*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.26	0.065	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorohexanoic acid (PFHxA)	**0.21**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoroheptanoic acid (PFHpA)	**0.27**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorooctanoic acid (PFOA)	**0.52**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorononanoic acid (PFNA)	**0.92**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorodecanoic acid (PFDA)	**0.42**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoroundecanoic acid (PFUnA)	**2.12**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1

Client Sample ID: 16J_0-5
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24
Matrix: Solid
Percent Solids: 96.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.043**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorotridecanoic acid (PFTrDA)	**0.48**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorooctanesulfonic acid (PFOS)	**0.052**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.31	U	1.31	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.31	U	1.31	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	0.26	0.065	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.26	U	0.26	0.065	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.52	U	0.52	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.26	U	0.26	0.065	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.65	U	0.65	0.16	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.27	U	3.27	0.82	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.27	U	3.27	0.82	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1

Client Sample ID: 16J_0-5
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24
Matrix: Solid
Percent Solids: 96.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	0.26	0.065	ug/Kg	☼	01/30/25 14:32	01/31/25 23:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C5 PFPeA	*81.4*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C5 PFHxA	*82.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C4 PFHpA	*84.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C8 PFOA	*86.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C9 PFNA	*95.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C6 PFDA	*88.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C7 PFUnA	*89.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C2 PFTeDA	*75.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C3 PFBS	*88.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C3 PFHxS	*86.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C8 PFOS	*85.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C8 FOSA	*108*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d3-NMeFOSAA	*83.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d5-NEtFOSAA	*89.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
M2-4:2 FTS	*147*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
M2-6:2 FTS	*116*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
M2-8:2 FTS	*108*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C3 HFPO-DA	*79.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d7-N-MeFOSE-M	*51.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d9-N-EtFOSE-M	*42.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d5-NEtPFOSA	*70.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
d3-NMePFOSA	*77.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*
13C2-PFDoDA	*86.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:42*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3310**		18.5	5.1	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Antimony	**0.18**	**J**	0.92	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Arsenic	**5.5**		0.92	0.095	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Barium	**20.4**		1.8	0.13	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Beryllium	**0.42**		0.37	0.053	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Cadmium	**0.10**	**J**	0.92	0.10	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Calcium	**256**		92.5	37.6	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Chromium	**14.2**		1.8	0.84	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Cobalt	**2.7**		1.8	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Copper	**26.3**		1.8	0.34	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Iron	**14300**		55.5	18.7	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Lead	**19.7**		0.55	0.18	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Magnesium	**656**		92.5	9.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Manganese	**41.9**		3.7	0.37	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Nickel	**7.5**		1.8	0.43	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Potassium	**547**		92.5	15.0	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Selenium	**0.27**	**J**	1.2	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Silver	0.37	U	0.37	0.082	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Sodium	92.5	U	92.5	42.3	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Thallium	0.37	U	0.37	0.038	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1

Client Sample ID: 16J_0-5

Lab Sample ID: 460-319407-24
Date Collected: 01/27/25 11:20
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 96.6

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	17.4		1.8	0.19	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1
Zinc	64.2		7.4	2.8	mg/Kg	☼	02/03/25 06:12	02/03/25 13:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0079	mg/Kg	☼	01/30/25 01:11	01/30/25 05:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.4		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	96.6		1.0	1.0	%			02/02/25 10:21	1

Client Sample ID: 16J_5-10

Lab Sample ID: 460-319407-25
Date Collected: 01/27/25 11:25
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 95.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
1,2,4,5-Tetrachlorobenzene	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
1,4-Dioxane	0.034	U	0.034	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,2'-oxybis[1-chloropropane]	0.34	U	0.34	0.021	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,3,4,6-Tetrachlorophenol	0.34	U	0.34	0.023	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4,5-Trichlorophenol	0.34	U	0.34	0.035	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.044	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4-Dimethylphenol	0.34	U	0.34	0.041	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,4-Dinitrotoluene	0.070	U	0.070	0.037	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2,6-Dinitrotoluene	0.070	U	0.070	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Chloronaphthalene	0.34	U	0.34	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Chlorophenol	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Methylnaphthalene	0.34	U	0.34	0.0097	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Methylphenol	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Nitroaniline	0.34	U	0.34	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
2-Nitrophenol	0.34	U	0.34	0.035	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
3 & 4 Methylphenol	0.34	U	0.34	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.052	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
3-Nitroaniline	0.34	U	0.34	0.082	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Bromophenyl phenyl ether	0.34	U	0.34	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Chloro-3-methylphenol	0.34	U	0.34	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Chloroaniline	0.34	U	0.34	0.061	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Chlorophenyl phenyl ether	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Methylphenol	0.34	U	0.34	0.022	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Nitroaniline	0.34	U	0.34	0.040	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
4-Nitrophenol	0.70	U	0.70	0.056	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Acenaphthene	0.34	U	0.34	0.0098	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Acenaphthylene	0.34	U	0.34	0.0099	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Acetophenone	0.34	U	0.34	0.017	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1

Client Sample ID: 16J_5-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25
Matrix: Solid
Percent Solids: 95.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Atrazine	0.14	U	0.14	0.020	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzaldehyde	0.34	U	0.34	0.057	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzo[a]anthracene	0.034	U	0.034	0.026	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzo[a]pyrene	0.034	U	0.034	0.0092	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzo[b]fluoranthene	0.034	U	0.034	0.0089	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzo[g,h,i]perylene	0.34	U	0.34	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Benzo[k]fluoranthene	0.034	U	0.034	0.0068	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Bis(2-chloroethoxy)methane	0.34	U	0.34	0.027	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Bis(2-chloroethyl)ether	0.034	U	0.034	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Bis(2-ethylhexyl) phthalate	0.34	U	0.34	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Butyl benzyl phthalate	0.34	U	0.34	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Caprolactam	0.34	U	0.34	0.054	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Carbazole	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Chrysene	0.34	U	0.34	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Dibenz(a,h)anthracene	0.034	U	0.034	0.015	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Dibenzofuran	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Diethyl phthalate	0.34	U	0.34	0.011	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Dimethyl phthalate	0.34	U	0.34	0.078	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Di-n-butyl phthalate	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Di-n-octyl phthalate	0.34	U	0.34	0.018	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Fluoranthene	0.34	U	0.34	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Fluorene	0.34	U	0.34	0.010	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Hexachlorobenzene	0.034	U	0.034	0.016	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Hexachlorobutadiene	0.070	U	0.070	0.0073	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Hexachlorocyclopentadiene	0.34	U *	0.34	0.030	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Hexachloroethane	0.034	U	0.034	0.012	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Indeno[1,2,3-cd]pyrene	0.034	U	0.034	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Naphthalene	0.34	U	0.34	0.0060	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Nitrobenzene	0.034	U	0.034	0.019	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
N-Nitrosodi-n-propylamine	0.034	U	0.034	0.025	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
N-Nitrosodiphenylamine	0.34	U	0.34	0.028	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Pentachlorophenol	0.28	U	0.28	0.071	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Phenanthrene	0.34	U	0.34	0.014	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Phenol	0.34	U	0.34	0.013	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1
Pyrene	0.34	U	0.34	0.0086	mg/Kg	☼	01/31/25 20:05	02/01/25 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*24 - 137*	*01/31/25 20:05*	*02/01/25 15:56*	*1*
2-Fluorobiphenyl	*73*		*38 - 128*	*01/31/25 20:05*	*02/01/25 15:56*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*01/31/25 20:05*	*02/01/25 15:56*	*1*
Nitrobenzene-d5 (Surr)	*72*		*31 - 120*	*01/31/25 20:05*	*02/01/25 15:56*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*01/31/25 20:05*	*02/01/25 15:56*	*1*
Terphenyl-d14 (Surr)	*73*		*44 - 147*	*01/31/25 20:05*	*02/01/25 15:56*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0070	U	0.0070	0.0012	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
4,4'-DDE	0.0070	U	0.0070	0.00083	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1

Client Sample ID: 16J_5-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25
Matrix: Solid
Percent Solids: 95.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0070	U	0.0070	0.0013	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Aldrin	0.0070	U	0.0070	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
alpha-BHC	0.0021	U	0.0021	0.00071	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
beta-BHC	0.0021	U	0.0021	0.00078	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Chlordane (technical)	0.070	U	0.070	0.017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
cis-Chlordane	0.0070	U	0.0070	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Dieldrin	0.0021	U	0.0021	0.00091	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endosulfan I	0.0070	U	0.0070	0.0011	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endosulfan II	0.0070	U	0.0070	0.0018	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endosulfan sulfate	0.0070	U	0.0070	0.00088	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endrin	0.0070	U	0.0070	0.0010	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endrin aldehyde	0.0070	U	0.0070	0.0017	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Endrin ketone	0.0070	U	0.0070	0.0014	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00065	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Heptachlor	0.0070	U	0.0070	0.00083	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Heptachlor epoxide	0.0070	U	0.0070	0.0010	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Methoxychlor	0.0070	U	0.0070	0.0016	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1
Toxaphene	0.070	U	0.070	0.025	mg/Kg	☼	01/31/25 06:37	01/31/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:56*	*1*
DCB Decachlorobiphenyl	*100*		*17 - 150*	*01/31/25 06:37*	*01/31/25 16:56*	*1*
Tetrachloro-m-xylene	*111*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:56*	*1*
Tetrachloro-m-xylene	*107*		*21 - 150*	*01/31/25 06:37*	*01/31/25 16:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1221	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1232	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1242	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1248	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1254	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1260	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor-1262	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Aroclor 1268	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1
Polychlorinated biphenyls, Total	0.070	U	0.070	0.019	mg/Kg	☼	01/31/25 06:44	01/31/25 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:27*	*1*
DCB Decachlorobiphenyl	*118*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:27*	*1*
Tetrachloro-m-xylene	*117*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:27*	*1*
Tetrachloro-m-xylene	*115*		*20 - 150*	*01/31/25 06:44*	*01/31/25 20:27*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoropentanoic acid (PFPeA)	**0.071**	**J**	0.26	0.066	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorohexanoic acid (PFHxA)	**0.12**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1

Client Sample ID: 16J_5-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25
Matrix: Solid
Percent Solids: 95.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	**0.18**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorooctanoic acid (PFOA)	**0.37**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorononanoic acid (PFNA)	**2.21**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorodecanoic acid (PFDA)	**0.22**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoroundecanoic acid (PFUnA)	**1.15**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorotridecanoic acid (PFTrDA)	**0.26**		0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorooctanesulfonic acid (PFOS)	**0.057**	**J**	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.31	U	1.31	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.31	U	1.31	0.33	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	0.26	0.066	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.26	U	0.26	0.066	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.26	U	0.26	0.066	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1

Client Sample ID: 16J_5-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25
Matrix: Solid
Percent Solids: 95.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.66	U	0.66	0.16	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.29	U	3.29	0.82	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.29	U	3.29	0.82	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	0.26	0.066	ug/Kg	☼	01/30/25 14:32	01/31/25 23:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C5 PFPeA	*92.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C5 PFHxA	*87.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C4 PFHpA	*89.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C8 PFOA	*85.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C9 PFNA	*98.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C6 PFDA	*91.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C7 PFUnA	*85.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C2 PFTeDA	*54.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C3 PFBS	*90.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C3 PFHxS	*87.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C8 PFOS	*84.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C8 FOSA	*94.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d3-NMeFOSAA	*79.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d5-NEtFOSAA	*94.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
M2-4:2 FTS	*115*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
M2-6:2 FTS	*95.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
M2-8:2 FTS	*93.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C3 HFPO-DA	*90.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d7-N-MeFOSE-M	*65.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d9-N-EtFOSE-M	*57.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d5-NEtPFOSA	*67.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
d3-NMePFOSA	*75.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*
13C2-PFDoDA	*83.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 23:59*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3990**		19.0	5.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Antimony	**0.49**	**J**	0.95	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Arsenic	**7.2**		0.95	0.098	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Barium	**24.2**		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Beryllium	**0.36**	**J**	0.38	0.054	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Cadmium	0.95	U	0.95	0.11	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Calcium	**297**		95.2	38.7	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Chromium	**11.4**		1.9	0.86	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Cobalt	**3.5**		1.9	0.14	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Copper	**23.4**		1.9	0.35	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Iron	**13900**		57.1	19.2	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Lead	**27.4**		0.57	0.19	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Magnesium	**970**		95.2	9.7	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16J_5-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25
Matrix: Solid
Percent Solids: 95.5

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	94.8		3.8	0.38	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Nickel	6.3		1.9	0.45	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Potassium	662		95.2	15.4	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Selenium	0.33	J	1.2	0.12	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Silver	0.12	J	0.38	0.085	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Sodium	95.2	U	95.2	43.5	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Thallium	0.38	U	0.38	0.039	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Vanadium	17.0		1.9	0.20	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1
Zinc	33.9		7.6	2.9	mg/Kg	☼	02/03/25 06:12	02/03/25 13:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017		0.016	0.0076	mg/Kg	☼	01/30/25 01:11	01/30/25 05:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.5		1.0	1.0	%			02/02/25 10:21	1
Percent Solids (EPA Moisture)	95.5		1.0	1.0	%			02/02/25 10:21	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319407-1	16C3_3-4	106	96	105	92
460-319407-2	16C3_8-9	103	97	104	93
460-319407-3	16C2_2-3	102	94	104	91
460-319407-4	16C2_6-7	105	96	106	92
460-319407-5	16C2_0-1	104	96	106	90
460-319407-6	16C1_1-2	107	95	107	91
460-319407-7	16C1_7-8	106	96	106	92
460-319407-8	16B2_1-2	106	97	109	94
460-319407-9	16B3_7-8	108	97	109	92
460-319407-10	16J3_5-6	109	96	110	92
460-319407-11	16J1_3-4	110	97	111	93
460-319407-12	16A2_2-3	106	99	110	94
460-319407-13	16A3_9-10	112	98	113	93
460-319407-14	12A1-7-8	114	99	113	93
460-319407-15	12A2-4-5	109	98	112	93
LCS 460-1018846/3	Lab Control Sample	101	99	105	96
LCS 460-1018946/3	Lab Control Sample	104	97	108	96
LCSD 460-1018846/4	Lab Control Sample Dup	100	97	102	95
LCSD 460-1018946/4	Lab Control Sample Dup	108	103	113	97
MB 460-1018846/7	Method Blank	105	97	106	95
MB 460-1018946/7	Method Blank	105	97	111	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-319407-16	12A_0-5	79	85	80	81	80	83
460-319407-17	12A_5-10	81	88	83	83	85	87
460-319407-18	16A_0-5	79	86	80	84	81	86
460-319407-19	16A_5-10	68	73	72	73	72	74
460-319407-19 MS	16A_5-10	72	75	74	73	73	76
460-319407-19 MSD	16A_5-10	73	74	71	73	72	73
460-319407-20	16B_0-5	70	76	74	76	74	76
460-319407-21	16B_5-10	71	76	74	76	74	77
460-319407-22	16C_0-5	70	80	75	77	75	77
460-319407-23	16C_5-10	70	76	74	74	73	74
460-319407-24	16J_0-5	71	75	72	73	71	74
460-319407-25	16J_5-10	68	73	70	72	70	73
460-319530-E-1-A MS	Matrix Spike	87	88	85	86	86	88
460-319530-E-1-B MSD	Matrix Spike Duplicate	83	86	82	85	83	87
LCS 460-1018870/2-A	Lab Control Sample	82	87	86	87	86	88
LCS 460-1019077/2-A	Lab Control Sample	79	81	79	79	80	80

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
LCSD 460-1018870/3-A	Lab Control Sample Dup	84	86	83	86	84	85
LCSD 460-1019077/3-A	Lab Control Sample Dup	76	77	76	77	76	77
MB 460-1018870/1-A	Method Blank	75	79	78	80	79	80
MB 460-1019077/1-A	Method Blank	69	76	75	77	76	73

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-319044-E-1-I MS	Matrix Spike	79	81	80	75
460-319044-E-1-J MSD	Matrix Spike Duplicate	82	88	83	80
460-319407-16	12A_0-5	49	50	43	43
460-319407-17	12A_5-10	54	61	51	56
460-319407-18	16A_0-5	58	64	54	60
460-319407-19	16A_5-10	54	62	53	60
460-319407-20	16B_0-5	50	57	48	53
460-319407-21	16B_5-10	76	82	71	71
460-319407-22	16C_0-5	93	73	104	107
460-319407-23	16C_5-10	91	73	101	104
460-319407-24	16J_0-5	100	78	106	110
460-319407-25	16J_5-10	100	83	107	111
460-319423-E-2-E MS	Matrix Spike	79	69	83	81
460-319423-E-2-F MSD	Matrix Spike Duplicate	83	72	85	83
LCS 460-1018848/2-A	Lab Control Sample	75	82	74	74
LCS 460-1018936/2-A	Lab Control Sample	87	88	82	77
LCSD 460-1018848/3-A	Lab Control Sample Dup	89	87	81	80
LCSD 460-1018936/3-A	Lab Control Sample Dup	89	92	85	81
MB 460-1018848/1-A	Method Blank	92	98	87	89
MB 460-1018936/1-A	Method Blank	104	109	89	91

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
460-319044-E-1-F MS	Matrix Spike	107	124	95	95
460-319044-E-1-G MSD	Matrix Spike Duplicate	106	122	99	98

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-319407-16	12A_0-5	59	45	37	38
460-319407-17	12A_5-10	69	74	62	63
460-319407-18	16A_0-5	77	73	68	70
460-319407-19	16A_5-10	66	69	61	62
460-319407-20	16B_0-5	58	59	52	52
460-319407-21	16B_5-10	67	70	61	62
460-319407-22	16C_0-5	99	119	102	119
460-319407-23	16C_5-10	99	101	100	102
460-319407-24	16J_0-5	99	105	96	98
460-319407-25	16J_5-10	118	124	115	117
460-319423-E-2-H MS	Matrix Spike	99	91	90	83
460-319423-E-2-I MSD	Matrix Spike Duplicate	98	111	89	85
LCS 460-1018837/2-A	Lab Control Sample	90	89	87	84
LCS 460-1018937/2-A	Lab Control Sample	101	103	91	90
LCSD 460-1018837/3-A	Lab Control Sample Dup	138	136	125	126
LCSD 460-1018937/3-A	Lab Control Sample Dup	103	98	96	91
MB 460-1018837/1-A	Method Blank	92	88	85	85
MB 460-1018937/1-A	Method Blank	100	95	90	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-319407-16	12A_0-5	89.0	96.2	91.1	90.3	90.9	99.4	94.3	86.3
460-319407-17	12A_5-10	84.8	89.0	88.4	87.1	85.2	98.7	87.7	81.3
460-319407-18	16A_0-5	88.2	84.6	81.5	83.3	85.3	97.1	89.9	88.1
460-319407-19	16A_5-10	88.3	89.4	87.4	86.4	87.0	99.7	91.0	78.6
460-319407-20	16B_0-5	88.2	92.4	91.5	92.2	88.8	101	89.5	81.1
460-319407-21	16B_5-10	84.8	90.1	84.7	85.1	84.7	95.4	86.1	81.9
460-319407-22	16C_0-5	83.9	87.7	87.2	87.4	83.8	91.7	82.4	77.7
460-319407-23	16C_5-10	85.3	85.6	84.5	82.6	85.1	96.6	86.6	81.8
460-319407-24	16J_0-5	88.4	81.4	82.5	84.3	86.2	95.0	88.1	89.3
460-319407-25	16J_5-10	86.9	92.6	87.2	89.7	85.8	98.2	91.2	85.6
460-319466-A-5-B DU	Duplicate	89.0	91.9	91.4	91.9	88.3	99.5	90.2	89.0
LCS 240-643130/3-A	Lab Control Sample	89.2	94.0	84.8	91.8	88.1	98.8	89.9	84.5
LLCS 240-643130/2-A	Lab Control Sample	89.6	99.3	95.7	96.1	89.4	103	90.1	83.7
MB 240-643130/1-A	Method Blank	92.1	95.6	93.9	95.3	93.2	98.9	94.8	83.1

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-319407-16	12A_0-5	80.9	87.6	84.4	84.7	85.4	86.1	114	95.8
460-319407-17	12A_5-10	73.4	88.7	84.8	85.2	83.9	83.6	98.2	98.3
460-319407-18	16A_0-5	82.8	90.6	86.0	86.9	107	96.0	97.8	137
460-319407-19	16A_5-10	75.6	90.4	87.1	85.8	85.9	84.3	97.7	103
460-319407-20	16B_0-5	77.5	90.1	85.9	86.3	85.9	84.8	98.0	102
460-319407-21	16B_5-10	45.1	85.7	82.0	82.7	82.9	75.6	88.3	103
460-319407-22	16C_0-5	71.4	82.4	80.2	79.7	78.2	71.5	102	84.6
460-319407-23	16C_5-10	47.9	90.5	87.5	84.4	94.9	74.6	84.2	116
460-319407-24	16J_0-5	75.6	88.2	86.5	85.3	108	83.9	89.6	147
460-319407-25	16J_5-10	54.9	90.2	87.9	84.0	94.9	79.0	94.0	115
460-319466-A-5-B DU	Duplicate	62.3	84.0	85.4	82.1	83.8	81.2	105	103
LCS 240-643130/3-A	Lab Control Sample	74.9	90.7	85.9	87.7	85.0	82.1	96.6	86.1
LLCS 240-643130/2-A	Lab Control Sample	79.4	93.6	92.0	90.2	86.3	85.7	114	94.4
MB 240-643130/1-A	Method Blank	76.7	92.3	91.6	92.3	88.5	87.1	114	96.3

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-319407-16	12A_0-5	92.1	90.5	95.1	55.2	54.4	65.6	69.9	83.4
460-319407-17	12A_5-10	93.2	94.0	90.4	49.9	47.6	65.6	68.7	77.1
460-319407-18	16A_0-5	117	113	78.0	61.5	58.0	69.4	78.1	89.0
460-319407-19	16A_5-10	101	94.6	89.7	66.1	65.1	62.1	69.6	76.8
460-319407-20	16B_0-5	101	93.4	92.2	58.8	52.6	65.3	69.8	78.0
460-319407-21	16B_5-10	95.6	91.7	89.8	53.4	49.4	60.4	66.0	72.2
460-319407-22	16C_0-5	82.9	76.6	89.5	60.1	59.4	59.3	65.1	77.5
460-319407-23	16C_5-10	100	96.3	82.6	63.5	58.8	65.2	73.9	80.4
460-319407-24	16J_0-5	116	108	79.9	51.3	42.9	70.9	77.9	86.9
460-319407-25	16J_5-10	95.1	93.2	90.9	65.2	57.3	67.1	75.5	83.3
460-319466-A-5-B DU	Duplicate	92.5	85.7	90.9	71.8	68.6	61.1	68.7	81.9
LCS 240-643130/3-A	Lab Control Sample	88.7	87.8	93.5	63.6	58.8	56.1	57.5	81.5
LLCS 240-643130/2-A	Lab Control Sample	89.7	89.5	96.9	71.5	69.4	54.2	58.7	81.6
MB 240-643130/1-A	Method Blank	96.6	87.3	97.7	64.1	58.7	60.0	62.9	82.5

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1018846/7
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/30/25 23:04	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/30/25 23:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/30/25 23:04	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/30/25 23:04	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/30/25 23:04	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/30/25 23:04	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/30/25 23:04	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/30/25 23:04	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/30/25 23:04	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/30/25 23:04	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/30/25 23:04	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/30/25 23:04	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/30/25 23:04	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/30/25 23:04	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/30/25 23:04	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/30/25 23:04	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/30/25 23:04	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/30/25 23:04	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/30/25 23:04	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/30/25 23:04	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/30/25 23:04	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/30/25 23:04	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/30/25 23:04	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/30/25 23:04	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/30/25 23:04	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/30/25 23:04	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/30/25 23:04	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/30/25 23:04	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/30/25 23:04	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/30/25 23:04	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/30/25 23:04	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/30/25 23:04	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/30/25 23:04	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/30/25 23:04	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/30/25 23:04	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/30/25 23:04	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/30/25 23:04	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/30/25 23:04	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/30/25 23:04	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/30/25 23:04	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/30/25 23:04	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/30/25 23:04	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/30/25 23:04	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/30/25 23:04	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/30/25 23:04	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/30/25 23:04	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/30/25 23:04	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/30/25 23:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018846/7
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/30/25 23:04	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/30/25 23:04	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/30/25 23:04	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/30/25 23:04	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/30/25 23:04	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/30/25 23:04	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/30/25 23:04	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/30/25 23:04	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/30/25 23:04	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/30/25 23:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*		*01/30/25 23:04*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*		*01/30/25 23:04*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*		*01/30/25 23:04*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*01/30/25 23:04*	*1*

Lab Sample ID: LCS 460-1018846/3
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0182		mg/Kg		91	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0163		mg/Kg		82	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0198		mg/Kg		99	75 - 121
1,1,2-Trichloroethane	0.0200	0.0166		mg/Kg		83	80 - 120
1,1-Dichloroethane	0.0200	0.0198		mg/Kg		99	72 - 120
1,1-Dichloroethene	0.0200	0.0180		mg/Kg		90	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0180		mg/Kg		90	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0167		mg/Kg		84	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0145	*	mg/Kg		73	80 - 124
1,2-Dichlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
1,2-Dichloroethane	0.0200	0.0187		mg/Kg		94	70 - 123
1,2-Dichloropropane	0.0200	0.0188		mg/Kg		94	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0167		mg/Kg		83	70 - 120
1,3-Dichlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120
1,4-Dichlorobenzene	0.0200	0.0172		mg/Kg		86	80 - 120
2-Butanone (MEK)	0.100	0.0882		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0910		mg/Kg		91	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0934		mg/Kg		93	80 - 120
Acetone	0.100	0.0931		mg/Kg		93	58 - 122
Benzene	0.0200	0.0165		mg/Kg		83	75 - 120
Bromoform	0.0200	0.0158		mg/Kg		79	61 - 125
Bromomethane	0.0200	0.0161		mg/Kg		81	37 - 150
Carbon disulfide	0.0200	0.0188		mg/Kg		94	57 - 133
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127
Chlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018846/3
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0163		mg/Kg		81	72 - 120
Chloroethane	0.0200	0.0163		mg/Kg		81	60 - 123
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0199		mg/Kg		100	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0153		mg/Kg		77	75 - 120
Cyclohexane	0.0200	0.0197		mg/Kg		98	65 - 132
Dichlorobromomethane	0.0200	0.0179		mg/Kg		89	77 - 124
Dichlorodifluoromethane	0.0200	0.0174		mg/Kg		87	45 - 129
Ethylbenzene	0.0200	0.0176		mg/Kg		88	80 - 120
Ethylene Dibromide	0.0200	0.0174		mg/Kg		87	79 - 120
Isopropylbenzene	0.0200	0.0165		mg/Kg		82	74 - 120
Methyl acetate	0.0400	0.0379		mg/Kg		95	57 - 120
Methyl tert-butyl ether	0.0200	0.0175		mg/Kg		88	74 - 125
Methylcyclohexane	0.0200	0.0197		mg/Kg		98	66 - 125
Methylene Chloride	0.0200	0.0188		mg/Kg		94	78 - 120
m-Xylene & p-Xylene	0.0200	0.0172		mg/Kg		86	80 - 120
n-Butylbenzene	0.0200	0.0169		mg/Kg		84	72 - 120
N-Propylbenzene	0.0200	0.0174		mg/Kg		87	68 - 120
o-Xylene	0.0200	0.0167		mg/Kg		83	80 - 120
sec-Butylbenzene	0.0200	0.0176		mg/Kg		88	78 - 120
Styrene	0.0200	0.0160		mg/Kg		80	80 - 120
tert-Butylbenzene	0.0200	0.0170		mg/Kg		85	80 - 120
Tetrachloroethene	0.0200	0.0186		mg/Kg		93	73 - 120
Toluene	0.0200	0.0168		mg/Kg		84	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0137	*	mg/Kg		68	77 - 120
Trichloroethene	0.0200	0.0199		mg/Kg		99	80 - 120
Trichlorofluoromethane	0.0200	0.0157		mg/Kg		79	61 - 130
Vinyl chloride	0.0200	0.0166		mg/Kg		83	54 - 122
Xylenes, Total	0.0400	0.0338		mg/Kg		85	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
Toluene-d8 (Surr)	*96*		*71 - 126*

Lab Sample ID: LCSD 460-1018846/4
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0200		mg/Kg		100	78 - 120	9	30
1,1,2,2-Tetrachloroethane	0.0200	0.0153		mg/Kg		76	70 - 133	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0226		mg/Kg		113	75 - 121	13	30
1,1,2-Trichloroethane	0.0200	0.0155	*	mg/Kg		78	80 - 120	7	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018846/4
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0201		mg/Kg		100	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0202		mg/Kg		101	76 - 120	11	30
1,2,3-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	77 - 137	5	30
1,2,4-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	77 - 136	9	30
1,2,4-Trimethylbenzene	0.0200	0.0176		mg/Kg		88	75 - 120	5	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0137	*	mg/Kg		69	80 - 124	6	30
1,2-Dichlorobenzene	0.0200	0.0172		mg/Kg		86	80 - 120	1	30
1,2-Dichloroethane	0.0200	0.0177		mg/Kg		89	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0188		mg/Kg		94	73 - 124	0	30
1,3,5-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	70 - 120	7	30
1,3-Dichlorobenzene	0.0200	0.0187		mg/Kg		93	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0858		mg/Kg		86	64 - 128	3	30
2-Hexanone	0.100	0.0891		mg/Kg		89	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0913		mg/Kg		91	80 - 120	2	30
Acetone	0.100	0.0961		mg/Kg		96	58 - 122	3	30
Benzene	0.0200	0.0172		mg/Kg		86	75 - 120	4	30
Bromoform	0.0200	0.0148		mg/Kg		74	61 - 125	6	30
Bromomethane	0.0200	0.0165		mg/Kg		83	37 - 150	2	30
Carbon disulfide	0.0200	0.0203		mg/Kg		102	57 - 133	8	30
Carbon tetrachloride	0.0200	0.0201		mg/Kg		101	66 - 127	8	30
Chlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	2	30
Chlorobromomethane	0.0200	0.0188		mg/Kg		94	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0156		mg/Kg		78	72 - 120	4	30
Chloroethane	0.0200	0.0168		mg/Kg		84	60 - 123	3	30
Chloroform	0.0200	0.0191		mg/Kg		95	79 - 126	1	30
Chloromethane	0.0200	0.0204		mg/Kg		102	46 - 122	3	30
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123	0	30
cis-1,3-Dichloropropene	0.0200	0.0153		mg/Kg		77	75 - 120	0	30
Cyclohexane	0.0200	0.0212		mg/Kg		106	65 - 132	7	30
Dichlorobromomethane	0.0200	0.0173		mg/Kg		86	77 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0187		mg/Kg		93	45 - 129	7	30
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120	6	30
Ethylene Dibromide	0.0200	0.0159		mg/Kg		80	79 - 120	9	30
Isopropylbenzene	0.0200	0.0180		mg/Kg		90	74 - 120	9	30
Methyl acetate	0.0400	0.0332		mg/Kg		83	57 - 120	13	30
Methyl tert-butyl ether	0.0200	0.0165		mg/Kg		82	74 - 125	6	30
Methylcyclohexane	0.0200	0.0216		mg/Kg		108	66 - 125	9	30
Methylene Chloride	0.0200	0.0185		mg/Kg		93	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120	6	30
n-Butylbenzene	0.0200	0.0189		mg/Kg		95	72 - 120	12	30
N-Propylbenzene	0.0200	0.0191		mg/Kg		95	68 - 120	9	30
o-Xylene	0.0200	0.0177		mg/Kg		88	80 - 120	6	30
sec-Butylbenzene	0.0200	0.0194		mg/Kg		97	78 - 120	10	30
Styrene	0.0200	0.0164		mg/Kg		82	80 - 120	2	30
tert-Butylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120	7	30
Tetrachloroethene	0.0200	0.0205		mg/Kg		102	73 - 120	10	30
Toluene	0.0200	0.0176		mg/Kg		88	80 - 120	5	30
trans-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	78 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018846/4
Matrix: Solid
Analysis Batch: 1018846

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0136	*	mg/Kg		68	77 - 120	0	30
Trichloroethene			0.0200	0.0203		mg/Kg		102	80 - 120	2	30
Trichlorofluoromethane			0.0200	0.0165		mg/Kg		82	61 - 130	5	30
Vinyl chloride			0.0200	0.0175		mg/Kg		87	54 - 122	5	30
Xylenes, Total			0.0400	0.0359		mg/Kg		90	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*102*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: MB 460-1018946/7
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 10:46	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/31/25 10:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/31/25 10:46	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 10:46	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/31/25 10:46	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 10:46	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 10:46	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 10:46	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/31/25 10:46	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/31/25 10:46	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 10:46	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/31/25 10:46	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/31/25 10:46	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/31/25 10:46	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/31/25 10:46	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 10:46	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/31/25 10:46	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/31/25 10:46	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/31/25 10:46	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/31/25 10:46	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/31/25 10:46	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/31/25 10:46	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/31/25 10:46	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 10:46	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/31/25 10:46	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 10:46	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 10:46	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/31/25 10:46	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/31/25 10:46	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/31/25 10:46	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/31/25 10:46	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018946/7
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 10:46	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 10:46	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/31/25 10:46	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/31/25 10:46	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/31/25 10:46	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/31/25 10:46	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 10:46	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 10:46	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/31/25 10:46	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/31/25 10:46	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/31/25 10:46	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/31/25 10:46	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/31/25 10:46	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 10:46	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 10:46	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/31/25 10:46	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 10:46	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 10:46	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 10:46	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/31/25 10:46	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 10:46	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/31/25 10:46	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 10:46	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/31/25 10:46	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/31/25 10:46	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/31/25 10:46	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/31/25 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*		*01/31/25 10:46*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*		*01/31/25 10:46*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*		*01/31/25 10:46*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*01/31/25 10:46*	*1*

Lab Sample ID: LCS 460-1018946/3
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0207		mg/Kg		103	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0164		mg/Kg		82	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0226		mg/Kg		113	75 - 121
1,1,2-Trichloroethane	0.0200	0.0166		mg/Kg		83	80 - 120
1,1-Dichloroethane	0.0200	0.0218		mg/Kg		109	72 - 120
1,1-Dichloroethene	0.0200	0.0206		mg/Kg		103	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0183		mg/Kg		92	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018946/3
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0148	*	mg/Kg		74	80 - 124
1,2-Dichlorobenzene	0.0200	0.0181		mg/Kg		90	80 - 120
1,2-Dichloroethane	0.0200	0.0199		mg/Kg		100	70 - 123
1,2-Dichloropropane	0.0200	0.0203		mg/Kg		102	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	70 - 120
1,3-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
1,4-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.0912		mg/Kg		91	64 - 128
2-Hexanone	0.100	0.0919		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0958		mg/Kg		96	80 - 120
Acetone	0.100	0.0951		mg/Kg		95	58 - 122
Benzene	0.0200	0.0182		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0161		mg/Kg		81	61 - 125
Bromomethane	0.0200	0.0183		mg/Kg		91	37 - 150
Carbon disulfide	0.0200	0.0228		mg/Kg		114	57 - 133
Carbon tetrachloride	0.0200	0.0219		mg/Kg		110	66 - 127
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0203		mg/Kg		101	76 - 127
Chlorodibromomethane	0.0200	0.0170		mg/Kg		85	72 - 120
Chloroethane	0.0200	0.0185		mg/Kg		92	60 - 123
Chloroform	0.0200	0.0207		mg/Kg		103	79 - 126
Chloromethane	0.0200	0.0211		mg/Kg		106	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0214		mg/Kg		107	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0163		mg/Kg		82	75 - 120
Cyclohexane	0.0200	0.0236		mg/Kg		118	65 - 132
Dichlorobromomethane	0.0200	0.0194		mg/Kg		97	77 - 124
Dichlorodifluoromethane	0.0200	0.0215		mg/Kg		107	45 - 129
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0177		mg/Kg		88	79 - 120
Isopropylbenzene	0.0200	0.0194		mg/Kg		97	74 - 120
Methyl acetate	0.0400	0.0374		mg/Kg		93	57 - 120
Methyl tert-butyl ether	0.0200	0.0180		mg/Kg		90	74 - 125
Methylcyclohexane	0.0200	0.0234		mg/Kg		117	66 - 125
Methylene Chloride	0.0200	0.0203		mg/Kg		101	78 - 120
m-Xylene & p-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120
n-Butylbenzene	0.0200	0.0190		mg/Kg		95	72 - 120
N-Propylbenzene	0.0200	0.0196		mg/Kg		98	68 - 120
o-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120
sec-Butylbenzene	0.0200	0.0195		mg/Kg		97	78 - 120
Styrene	0.0200	0.0173		mg/Kg		87	80 - 120
tert-Butylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Tetrachloroethene	0.0200	0.0212		mg/Kg		106	73 - 120
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0144	*	mg/Kg		72	77 - 120
Trichloroethene	0.0200	0.0227		mg/Kg		113	80 - 120
Trichlorofluoromethane	0.0200	0.0177		mg/Kg		88	61 - 130
Vinyl chloride	0.0200	0.0198		mg/Kg		99	54 - 122
Xylenes, Total	0.0400	0.0371		mg/Kg		93	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		65 - 138
4-Bromofluorobenzene	97		71 - 128
Dibromofluoromethane (Surr)	108		50 - 150
Toluene-d8 (Surr)	96		71 - 126

Lab Sample ID: LCSD 460-1018946/4
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0203		mg/Kg		101	78 - 120	2	30
1,1,2,2-Tetrachloroethane			0.0200	0.0162		mg/Kg		81	70 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0223		mg/Kg		111	75 - 121	1	30
1,1,2-Trichloroethane			0.0200	0.0165		mg/Kg		82	80 - 120	1	30
1,1-Dichloroethane			0.0200	0.0214		mg/Kg		107	72 - 120	2	30
1,1-Dichloroethene			0.0200	0.0208		mg/Kg		104	76 - 120	1	30
1,2,3-Trichlorobenzene			0.0200	0.0164		mg/Kg		82	77 - 137	20	30
1,2,4-Trichlorobenzene			0.0200	0.0161		mg/Kg		80	77 - 136	22	30
1,2,4-Trimethylbenzene			0.0200	0.0165		mg/Kg		82	75 - 120	11	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0144	*	mg/Kg		72	80 - 124	2	30
1,2-Dichlorobenzene			0.0200	0.0160		mg/Kg		80	80 - 120	12	30
1,2-Dichloroethane			0.0200	0.0200		mg/Kg		100	70 - 123	0	30
1,2-Dichloropropane			0.0200	0.0208		mg/Kg		104	73 - 124	2	30
1,3,5-Trimethylbenzene			0.0200	0.0164		mg/Kg		82	70 - 120	12	30
1,3-Dichlorobenzene			0.0200	0.0171		mg/Kg		86	80 - 120	12	30
1,4-Dichlorobenzene			0.0200	0.0165		mg/Kg		83	80 - 120	11	30
2-Butanone (MEK)			0.100	0.0931		mg/Kg		93	64 - 128	2	30
2-Hexanone			0.100	0.0936		mg/Kg		94	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0924		mg/Kg		92	80 - 120	4	30
Acetone			0.100	0.0960		mg/Kg		96	58 - 122	1	30
Benzene			0.0200	0.0176		mg/Kg		88	75 - 120	3	30
Bromoform			0.0200	0.0158		mg/Kg		79	61 - 125	2	30
Bromomethane			0.0200	0.0187		mg/Kg		94	37 - 150	3	30
Carbon disulfide			0.0200	0.0225		mg/Kg		113	57 - 133	1	30
Carbon tetrachloride			0.0200	0.0209		mg/Kg		104	66 - 127	5	30
Chlorobenzene			0.0200	0.0180		mg/Kg		90	80 - 120	7	30
Chlorobromomethane			0.0200	0.0210		mg/Kg		105	76 - 127	3	30
Chlorodibromomethane			0.0200	0.0163		mg/Kg		82	72 - 120	4	30
Chloroethane			0.0200	0.0182		mg/Kg		91	60 - 123	1	30
Chloroform			0.0200	0.0209		mg/Kg		104	79 - 126	1	30
Chloromethane			0.0200	0.0206		mg/Kg		103	46 - 122	3	30
cis-1,2-Dichloroethene			0.0200	0.0215		mg/Kg		108	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0166		mg/Kg		83	75 - 120	2	30
Cyclohexane			0.0200	0.0222		mg/Kg		111	65 - 132	6	30
Dichlorobromomethane			0.0200	0.0192		mg/Kg		96	77 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0207		mg/Kg		104	45 - 129	4	30
Ethylbenzene			0.0200	0.0175		mg/Kg		88	80 - 120	8	30
Ethylene Dibromide			0.0200	0.0173		mg/Kg		86	79 - 120	2	30
Isopropylbenzene			0.0200	0.0176		mg/Kg		88	74 - 120	9	30
Methyl acetate			0.0400	0.0399		mg/Kg		100	57 - 120	6	30
Methyl tert-butyl ether			0.0200	0.0183		mg/Kg		92	74 - 125	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018946/4
Matrix: Solid
Analysis Batch: 1018946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0222		mg/Kg		111	66 - 125	5	30
Methylene Chloride			0.0200	0.0208		mg/Kg		104	78 - 120	2	30
m-Xylene & p-Xylene			0.0200	0.0173		mg/Kg		86	80 - 120	8	30
n-Butylbenzene			0.0200	0.0160		mg/Kg		80	72 - 120	17	30
N-Propylbenzene			0.0200	0.0177		mg/Kg		88	68 - 120	10	30
o-Xylene			0.0200	0.0168		mg/Kg		84	80 - 120	8	30
sec-Butylbenzene			0.0200	0.0172		mg/Kg		86	78 - 120	12	30
Styrene			0.0200	0.0161		mg/Kg		80	80 - 120	7	30
tert-Butylbenzene			0.0200	0.0166		mg/Kg		83	80 - 120	10	30
Tetrachloroethene			0.0200	0.0196		mg/Kg		98	73 - 120	8	30
Toluene			0.0200	0.0176		mg/Kg		88	80 - 120	6	30
trans-1,2-Dichloroethene			0.0200	0.0217		mg/Kg		108	78 - 120	0	30
trans-1,3-Dichloropropene			0.0200	0.0145	*	mg/Kg		73	77 - 120	0	30
Trichloroethene			0.0200	0.0222		mg/Kg		111	80 - 120	2	30
Trichlorofluoromethane			0.0200	0.0169		mg/Kg		85	61 - 130	4	30
Vinyl chloride			0.0200	0.0192		mg/Kg		96	54 - 122	3	30
Xylenes, Total			0.0400	0.0341		mg/Kg		85	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*
4-Bromofluorobenzene	*103*		*71 - 128*
Dibromofluoromethane (Surr)	*113*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1018870/1-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/30/25 20:24	01/31/25 07:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018870/1-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/30/25 20:24	01/31/25 07:06	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1018870/1-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.33	U	0.33	0.012	mg/Kg		01/30/25 20:24	01/31/25 07:06	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/30/25 20:24	01/31/25 07:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*	*01/30/25 20:24*	*01/31/25 07:06*	*1*
2-Fluorobiphenyl	*79*		*38 - 128*	*01/30/25 20:24*	*01/31/25 07:06*	*1*
2-Fluorophenol (Surr)	*78*		*31 - 133*	*01/30/25 20:24*	*01/31/25 07:06*	*1*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*	*01/30/25 20:24*	*01/31/25 07:06*	*1*
Phenol-d5 (Surr)	*79*		*35 - 132*	*01/30/25 20:24*	*01/31/25 07:06*	*1*
Terphenyl-d14 (Surr)	*80*		*44 - 147*	*01/30/25 20:24*	*01/31/25 07:06*	*1*

Lab Sample ID: LCS 460-1018870/2-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.15		mg/Kg		94	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.06		mg/Kg		92	60 - 120
1,4-Dioxane	3.33	2.88		mg/Kg		86	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.19		mg/Kg		96	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.22		mg/Kg		96	62 - 120
2,4,5-Trichlorophenol	3.33	3.28		mg/Kg		98	64 - 120
2,4,6-Trichlorophenol	3.33	3.33		mg/Kg		100	65 - 120
2,4-Dichlorophenol	3.33	3.25		mg/Kg		97	66 - 120
2,4-Dimethylphenol	3.33	3.70		mg/Kg		111	46 - 120
2,4-Dinitrophenol	6.67	6.32		mg/Kg		95	41 - 129
2,4-Dinitrotoluene	3.33	3.41		mg/Kg		102	65 - 124
2,6-Dinitrotoluene	3.33	3.33		mg/Kg		100	67 - 121
2-Chloronaphthalene	3.33	3.08		mg/Kg		92	64 - 120
2-Chlorophenol	3.33	3.08		mg/Kg		92	63 - 120
2-Methylnaphthalene	3.33	2.74		mg/Kg		82	64 - 120
2-Methylphenol	3.33	3.19		mg/Kg		96	63 - 120
2-Nitroaniline	3.33	2.76		mg/Kg		83	48 - 120
2-Nitrophenol	3.33	3.30		mg/Kg		99	64 - 120
3 & 4 Methylphenol	3.33	2.97		mg/Kg		89	61 - 120
3,3'-Dichlorobenzidine	3.33	2.38		mg/Kg		71	10 - 120
3-Nitroaniline	3.33	2.65		mg/Kg		80	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.71		mg/Kg		116	58 - 136
4-Bromophenyl phenyl ether	3.33	3.15		mg/Kg		95	60 - 120
4-Chloro-3-methylphenol	3.33	3.18		mg/Kg		96	66 - 120
4-Chloroaniline	3.33	2.43		mg/Kg		73	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.08		mg/Kg		92	62 - 120
4-Methylphenol	3.33	2.97		mg/Kg		89	61 - 120
4-Nitroaniline	3.33	2.96		mg/Kg		89	51 - 120
4-Nitrophenol	6.67	6.62		mg/Kg		99	42 - 132
Acenaphthene	3.33	3.13		mg/Kg		94	65 - 120
Acenaphthylene	3.33	3.28		mg/Kg		98	64 - 120
Acetophenone	3.33	3.06		mg/Kg		92	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1018870/2-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	3.33	3.14		mg/Kg		94	67 - 120
Atrazine	1.33	1.60		mg/Kg		120	32 - 150
Benzaldehyde	1.33	1.52		mg/Kg		114	28 - 150
Benzo[a]anthracene	3.33	3.14		mg/Kg		94	66 - 120
Benzo[a]pyrene	3.33	3.40		mg/Kg		102	73 - 123
Benzo[b]fluoranthene	3.33	3.24		mg/Kg		97	70 - 125
Benzo[g,h,i]perylene	3.33	3.52		mg/Kg		105	66 - 120
Benzo[k]fluoranthene	3.33	3.38		mg/Kg		101	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.15		mg/Kg		94	62 - 120
Bis(2-chloroethyl)ether	3.33	3.15		mg/Kg		95	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.25		mg/Kg		97	64 - 125
Butyl benzyl phthalate	3.33	3.17		mg/Kg		95	62 - 127
Caprolactam	1.33	1.41		mg/Kg		105	36 - 150
Carbazole	3.33	3.14		mg/Kg		94	64 - 120
Chrysene	3.33	3.08		mg/Kg		92	67 - 120
Dibenz(a,h)anthracene	3.33	3.41		mg/Kg		102	66 - 128
Dibenzofuran	3.33	3.08		mg/Kg		93	61 - 120
Diethyl phthalate	3.33	3.07		mg/Kg		92	63 - 120
Dimethyl phthalate	3.33	3.11		mg/Kg		93	65 - 120
Di-n-butyl phthalate	3.33	3.05		mg/Kg		91	66 - 120
Di-n-octyl phthalate	3.33	3.23		mg/Kg		97	61 - 123
Fluoranthene	3.33	3.12		mg/Kg		94	61 - 120
Fluorene	3.33	3.18		mg/Kg		95	64 - 120
Hexachlorobenzene	3.33	3.12		mg/Kg		94	66 - 120
Hexachlorobutadiene	3.33	3.06		mg/Kg		92	62 - 120
Hexachlorocyclopentadiene	3.33	4.84	*	mg/Kg		145	13 - 120
Hexachloroethane	3.33	3.21		mg/Kg		96	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.39		mg/Kg		102	71 - 137
Isophorone	3.33	3.24		mg/Kg		97	61 - 120
Naphthalene	3.33	3.10		mg/Kg		93	63 - 120
Nitrobenzene	3.33	3.22		mg/Kg		97	63 - 120
N-Nitrosodi-n-propylamine	3.33	3.20		mg/Kg		96	56 - 120
N-Nitrosodiphenylamine	3.33	3.17		mg/Kg		95	63 - 120
Pentachlorophenol	6.67	6.88		mg/Kg		103	61 - 126
Phenanthrene	3.33	3.11		mg/Kg		93	66 - 120
Phenol	3.33	3.17		mg/Kg		95	63 - 120
Pyrene	3.33	3.16		mg/Kg		95	61 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*
2-Fluorobiphenyl	*87*		*38 - 128*
2-Fluorophenol (Surr)	*86*		*31 - 133*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*88*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018870/3-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018870

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.14		mg/Kg		94	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene			3.33	3.10		mg/Kg		93	60 - 120	1	30
1,4-Dioxane			3.33	2.72		mg/Kg		82	27 - 120	6	30
2,2'-oxybis[1-chloropropane]			3.33	3.08		mg/Kg		92	46 - 126	3	30
2,3,4,6-Tetrachlorophenol			3.33	3.24		mg/Kg		97	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	3.28		mg/Kg		98	64 - 120	0	30
2,4,6-Trichlorophenol			3.33	3.34		mg/Kg		100	65 - 120	0	30
2,4-Dichlorophenol			3.33	3.22		mg/Kg		96	66 - 120	1	30
2,4-Dimethylphenol			3.33	3.70		mg/Kg		111	46 - 120	0	30
2,4-Dinitrophenol			6.67	6.43		mg/Kg		96	41 - 129	2	30
2,4-Dinitrotoluene			3.33	3.38		mg/Kg		101	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.38		mg/Kg		101	67 - 121	1	30
2-Chloronaphthalene			3.33	3.05		mg/Kg		91	64 - 120	1	30
2-Chlorophenol			3.33	3.00		mg/Kg		90	63 - 120	3	30
2-Methylnaphthalene			3.33	2.67		mg/Kg		80	64 - 120	2	30
2-Methylphenol			3.33	3.14		mg/Kg		94	63 - 120	2	30
2-Nitroaniline			3.33	2.71		mg/Kg		81	48 - 120	2	30
2-Nitrophenol			3.33	3.20		mg/Kg		96	64 - 120	3	30
3 & 4 Methylphenol			3.33	2.90		mg/Kg		87	61 - 120	2	30
3,3'-Dichlorobenzidine			3.33	1.67	*	mg/Kg		50	10 - 120	35	30
3-Nitroaniline			3.33	1.79	*	mg/Kg		54	18 - 122	39	30
4,6-Dinitro-2-methylphenol			6.67	7.52		mg/Kg		113	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	3.15		mg/Kg		95	60 - 120	0	30
4-Chloro-3-methylphenol			3.33	3.11		mg/Kg		93	66 - 120	2	30
4-Chloroaniline			3.33	0.712	*	mg/Kg		21	10 - 120	109	30
4-Chlorophenyl phenyl ether			3.33	3.07		mg/Kg		92	62 - 120	0	30
4-Methylphenol			3.33	2.90		mg/Kg		87	61 - 120	2	30
4-Nitroaniline			3.33	2.90		mg/Kg		87	51 - 120	2	30
4-Nitrophenol			6.67	6.77		mg/Kg		102	42 - 132	2	30
Acenaphthene			3.33	3.13		mg/Kg		94	65 - 120	0	30
Acenaphthylene			3.33	3.28		mg/Kg		98	64 - 120	0	30
Acetophenone			3.33	3.00		mg/Kg		90	61 - 120	2	30
Anthracene			3.33	3.11		mg/Kg		93	67 - 120	1	30
Atrazine			1.33	1.55		mg/Kg		116	32 - 150	4	30
Benzaldehyde			1.33	1.44		mg/Kg		108	28 - 150	6	30
Benzo[a]anthracene			3.33	3.10		mg/Kg		93	66 - 120	1	30
Benzo[a]pyrene			3.33	3.35		mg/Kg		100	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.22		mg/Kg		96	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.48		mg/Kg		104	66 - 120	1	30
Benzo[k]fluoranthene			3.33	3.27		mg/Kg		98	67 - 122	3	30
Bis(2-chloroethoxy)methane			3.33	3.06		mg/Kg		92	62 - 120	3	30
Bis(2-chloroethyl)ether			3.33	3.01		mg/Kg		90	60 - 120	5	30
Bis(2-ethylhexyl) phthalate			3.33	3.17		mg/Kg		95	64 - 125	2	30
Butyl benzyl phthalate			3.33	3.08		mg/Kg		93	62 - 127	3	30
Caprolactam			1.33	1.40		mg/Kg		105	36 - 150	0	30
Carbazole			3.33	3.11		mg/Kg		93	64 - 120	1	30
Chrysene			3.33	3.03		mg/Kg		91	67 - 120	2	30
Dibenz(a,h)anthracene			3.33	3.38		mg/Kg		101	66 - 128	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1018870/3-A
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018870

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran			3.33	3.07		mg/Kg		92	61 - 120	0	30
Diethyl phthalate			3.33	3.06		mg/Kg		92	63 - 120	0	30
Dimethyl phthalate			3.33	3.08		mg/Kg		92	65 - 120	1	30
Di-n-butyl phthalate			3.33	3.01		mg/Kg		90	66 - 120	1	30
Di-n-octyl phthalate			3.33	3.20		mg/Kg		96	61 - 123	1	30
Fluoranthene			3.33	3.05		mg/Kg		91	61 - 120	2	30
Fluorene			3.33	3.13		mg/Kg		94	64 - 120	1	30
Hexachlorobenzene			3.33	3.09		mg/Kg		93	66 - 120	1	30
Hexachlorobutadiene			3.33	3.01		mg/Kg		90	62 - 120	1	30
Hexachlorocyclopentadiene			3.33	4.83	*	mg/Kg		145	13 - 120	0	30
Hexachloroethane			3.33	3.10		mg/Kg		93	61 - 120	3	30
Indeno[1,2,3-cd]pyrene			3.33	3.52		mg/Kg		105	71 - 137	4	30
Isophorone			3.33	3.14		mg/Kg		94	61 - 120	3	30
Naphthalene			3.33	3.05		mg/Kg		92	63 - 120	2	30
Nitrobenzene			3.33	3.10		mg/Kg		93	63 - 120	4	30
N-Nitrosodi-n-propylamine			3.33	3.13		mg/Kg		94	56 - 120	2	30
N-Nitrosodiphenylamine			3.33	3.11		mg/Kg		93	63 - 120	2	30
Pentachlorophenol			6.67	6.84		mg/Kg		103	61 - 126	1	30
Phenanthrene			3.33	3.08		mg/Kg		92	66 - 120	1	30
Phenol			3.33	3.04		mg/Kg		91	63 - 120	4	30
Pyrene			3.33	3.10		mg/Kg		93	61 - 121	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*
2-Fluorobiphenyl	*86*		*38 - 128*
2-Fluorophenol (Surr)	*83*		*31 - 133*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*
Phenol-d5 (Surr)	*84*		*35 - 132*
Terphenyl-d14 (Surr)	*85*		*44 - 147*

Lab Sample ID: 460-319530-E-1-A MS
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.049	J	3.32	3.26		mg/Kg		97	64 - 120
1,2,4,5-Tetrachlorobenzene	0.33	U	3.32	3.16		mg/Kg		95	60 - 120
1,4-Dioxane	0.033	U	3.32	2.78		mg/Kg		84	27 - 120
2,2'-oxybis[1-chloropropane]	0.33	U	3.32	3.12		mg/Kg		94	46 - 126
2,3,4,6-Tetrachlorophenol	0.33	U	3.32	3.34		mg/Kg		101	62 - 120
2,4,5-Trichlorophenol	0.33	U	3.32	3.38		mg/Kg		102	64 - 120
2,4,6-Trichlorophenol	0.13	U	3.32	3.46		mg/Kg		104	65 - 120
2,4-Dichlorophenol	0.13	U	3.32	3.29		mg/Kg		99	66 - 120
2,4-Dimethylphenol	0.33	U	3.32	3.74		mg/Kg		112	46 - 120
2,4-Dinitrophenol	0.27	U	6.65	5.91		mg/Kg		89	41 - 129
2,4-Dinitrotoluene	0.067	U	3.32	3.43		mg/Kg		103	65 - 124
2,6-Dinitrotoluene	0.067	U	3.32	3.46		mg/Kg		104	67 - 121
2-Chloronaphthalene	0.33	U	3.32	3.15		mg/Kg		95	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319530-E-1-A MS
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	0.33	U	3.32	3.10		mg/Kg		93	63 - 120
2-Methylnaphthalene	0.46		3.32	3.21		mg/Kg		83	64 - 120
2-Methylphenol	0.33	U	3.32	3.21		mg/Kg		97	63 - 120
2-Nitroaniline	0.33	U	3.32	2.77		mg/Kg		83	48 - 120
2-Nitrophenol	0.33	U	3.32	3.23		mg/Kg		97	64 - 120
3 & 4 Methylphenol	0.33	U	3.32	2.97		mg/Kg		89	61 - 120
3,3'-Dichlorobenzidine	0.13	U *	3.32	1.83		mg/Kg		55	10 - 120
3-Nitroaniline	0.33	U *	3.32	1.78		mg/Kg		54	18 - 122
4,6-Dinitro-2-methylphenol	0.27	U	6.65	7.43		mg/Kg		112	58 - 136
4-Bromophenyl phenyl ether	0.33	U	3.32	3.20		mg/Kg		96	60 - 120
4-Chloro-3-methylphenol	0.33	U	3.32	3.27		mg/Kg		98	66 - 120
4-Chloroaniline	0.33	U *	3.32	0.673		mg/Kg		20	10 - 120
4-Chlorophenyl phenyl ether	0.33	U	3.32	3.20		mg/Kg		96	62 - 120
4-Methylphenol	0.33	U	3.32	2.97		mg/Kg		89	61 - 120
4-Nitroaniline	0.33	U	3.32	2.82		mg/Kg		85	51 - 120
4-Nitrophenol	0.67	U	6.65	6.99		mg/Kg		105	42 - 132
Acenaphthene	0.29	J	3.32	3.50		mg/Kg		97	65 - 120
Acenaphthylene	0.056	J	3.32	3.47		mg/Kg		103	64 - 120
Acetophenone	0.33	U	3.32	3.09		mg/Kg		93	61 - 120
Anthracene	0.16	J	3.32	3.42		mg/Kg		98	67 - 120
Atrazine	0.13	U	1.33	1.49	E	mg/Kg		112	32 - 150
Benzaldehyde	0.33	U	1.33	1.36	E	mg/Kg		102	28 - 150
Benzo[a]anthracene	0.36		3.32	3.61		mg/Kg		98	66 - 120
Benzo[a]pyrene	0.28		3.32	3.82		mg/Kg		106	73 - 123
Benzo[b]fluoranthene	0.26		3.32	3.61		mg/Kg		101	70 - 125
Benzo[g,h,i]perylene	0.14	J	3.32	3.81		mg/Kg		110	66 - 120
Benzo[k]fluoranthene	0.11		3.32	3.49		mg/Kg		102	67 - 122
Bis(2-chloroethoxy)methane	0.33	U	3.32	3.14		mg/Kg		94	62 - 120
Bis(2-chloroethyl)ether	0.033	U	3.32	3.13		mg/Kg		94	60 - 120
Bis(2-ethylhexyl) phthalate	0.33	U	3.32	3.39		mg/Kg		102	64 - 125
Butyl benzyl phthalate	0.33	U	3.32	3.27		mg/Kg		98	62 - 127
Caprolactam	0.33	U	1.33	1.37		mg/Kg		103	36 - 150
Carbazole	0.33	U	3.32	3.26		mg/Kg		98	64 - 120
Chrysene	0.39		3.32	3.53		mg/Kg		95	67 - 120
Dibenz(a,h)anthracene	0.035		3.32	3.55		mg/Kg		106	66 - 128
Dibenzofuran	0.020	J	3.32	3.19		mg/Kg		95	61 - 120
Diethyl phthalate	0.33	U	3.32	3.18		mg/Kg		96	63 - 120
Dimethyl phthalate	0.33	U	3.32	3.23		mg/Kg		97	65 - 120
Di-n-butyl phthalate	0.33	U	3.32	3.15		mg/Kg		95	66 - 120
Di-n-octyl phthalate	0.33	U	3.32	3.44		mg/Kg		104	61 - 123
Fluoranthene	0.53		3.32	3.72		mg/Kg		96	61 - 120
Fluorene	0.12	J	3.32	3.32		mg/Kg		96	64 - 120
Hexachlorobenzene	0.033	U	3.32	3.26		mg/Kg		98	66 - 120
Hexachlorobutadiene	0.067	U	3.32	3.12		mg/Kg		94	62 - 120
Hexachlorocyclopentadiene	0.33	U *	3.32	4.52	*	mg/Kg		136	13 - 120
Hexachloroethane	0.033	U	3.32	3.20		mg/Kg		96	61 - 120
Indeno[1,2,3-cd]pyrene	0.12		3.32	3.95		mg/Kg		115	71 - 137
Isophorone	0.13	U	3.32	3.23		mg/Kg		97	61 - 120
Naphthalene	0.44		3.32	3.55		mg/Kg		93	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319530-E-1-A MS
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	0.033	U	3.32	3.13		mg/Kg		94	63 - 120
N-Nitrosodi-n-propylamine	0.033	U	3.32	3.21		mg/Kg		97	56 - 120
N-Nitrosodiphenylamine	0.33	U	3.32	3.27		mg/Kg		98	63 - 120
Pentachlorophenol	0.27	U	6.65	7.03		mg/Kg		106	61 - 126
Phenanthrene	0.57		3.32	3.79		mg/Kg		97	66 - 120
Phenol	0.33	U	3.32	3.15		mg/Kg		95	63 - 120
Pyrene	0.80		3.32	4.11		mg/Kg		99	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*88*		*38 - 128*
2-Fluorophenol (Surr)	*85*		*31 - 133*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*88*		*44 - 147*

Lab Sample ID: 460-319530-E-1-B MSD
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.049	J	3.33	3.20		mg/Kg		95	64 - 120	2	30
1,2,4,5-Tetrachlorobenzene	0.33	U	3.33	3.06		mg/Kg		92	60 - 120	3	30
1,4-Dioxane	0.033	U	3.33	2.62		mg/Kg		79	27 - 120	6	30
2,2'-oxybis[1-chloropropane]	0.33	U	3.33	3.02		mg/Kg		91	46 - 126	3	30
2,3,4,6-Tetrachlorophenol	0.33	U	3.33	3.25		mg/Kg		98	62 - 120	3	30
2,4,5-Trichlorophenol	0.33	U	3.33	3.33		mg/Kg		100	64 - 120	1	30
2,4,6-Trichlorophenol	0.13	U	3.33	3.35		mg/Kg		101	65 - 120	3	30
2,4-Dichlorophenol	0.13	U	3.33	3.21		mg/Kg		96	66 - 120	3	30
2,4-Dimethylphenol	0.33	U	3.33	3.65		mg/Kg		110	46 - 120	2	30
2,4-Dinitrophenol	0.27	U	6.66	5.94		mg/Kg		89	41 - 129	0	30
2,4-Dinitrotoluene	0.067	U	3.33	3.35		mg/Kg		100	65 - 124	2	30
2,6-Dinitrotoluene	0.067	U	3.33	3.37		mg/Kg		101	67 - 121	2	30
2-Chloronaphthalene	0.33	U	3.33	3.06		mg/Kg		92	64 - 120	3	30
2-Chlorophenol	0.33	U	3.33	3.00		mg/Kg		90	63 - 120	3	30
2-Methylnaphthalene	0.46		3.33	3.16		mg/Kg		81	64 - 120	2	30
2-Methylphenol	0.33	U	3.33	3.09		mg/Kg		93	63 - 120	4	30
2-Nitroaniline	0.33	U	3.33	2.69		mg/Kg		81	48 - 120	3	30
2-Nitrophenol	0.33	U	3.33	3.19		mg/Kg		96	64 - 120	1	30
3 & 4 Methylphenol	0.33	U	3.33	2.89		mg/Kg		87	61 - 120	3	30
3,3'-Dichlorobenzidine	0.13	U *	3.33	1.81		mg/Kg		54	10 - 120	1	30
3-Nitroaniline	0.33	U *	3.33	1.70		mg/Kg		51	18 - 122	5	30
4,6-Dinitro-2-methylphenol	0.27	U	6.66	7.23		mg/Kg		109	58 - 136	3	30
4-Bromophenyl phenyl ether	0.33	U	3.33	3.21		mg/Kg		96	60 - 120	0	30
4-Chloro-3-methylphenol	0.33	U	3.33	3.16		mg/Kg		95	66 - 120	3	30
4-Chloroaniline	0.33	U *	3.33	0.572		mg/Kg		17	10 - 120	16	30
4-Chlorophenyl phenyl ether	0.33	U	3.33	3.09		mg/Kg		93	62 - 120	3	30
4-Methylphenol	0.33	U	3.33	2.89		mg/Kg		87	61 - 120	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319530-E-1-B MSD
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018870

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	0.33	U	3.33	2.75		mg/Kg		83	51 - 120	2	30
4-Nitrophenol	0.67	U	6.66	6.83		mg/Kg		102	42 - 132	2	30
Acenaphthene	0.29	J	3.33	3.44		mg/Kg		94	65 - 120	2	30
Acenaphthylene	0.056	J	3.33	3.36		mg/Kg		99	64 - 120	3	30
Acetophenone	0.33	U	3.33	3.01		mg/Kg		90	61 - 120	3	30
Anthracene	0.16	J	3.33	3.33		mg/Kg		95	67 - 120	3	30
Atrazine	0.13	U	1.33	1.60	E	mg/Kg		120	32 - 150	7	30
Benzaldehyde	0.33	U	1.33	1.40	E	mg/Kg		105	28 - 150	3	30
Benzo[a]anthracene	0.36		3.33	3.67		mg/Kg		99	66 - 120	2	30
Benzo[a]pyrene	0.28		3.33	3.82		mg/Kg		106	73 - 123	0	30
Benzo[b]fluoranthene	0.26		3.33	3.59		mg/Kg		100	70 - 125	0	30
Benzo[g,h,i]perylene	0.14	J	3.33	3.85		mg/Kg		111	66 - 120	1	30
Benzo[k]fluoranthene	0.11		3.33	3.52		mg/Kg		103	67 - 122	1	30
Bis(2-chloroethoxy)methane	0.33	U	3.33	3.02		mg/Kg		91	62 - 120	4	30
Bis(2-chloroethyl)ether	0.033	U	3.33	3.03		mg/Kg		91	60 - 120	3	30
Bis(2-ethylhexyl) phthalate	0.33	U	3.33	3.36		mg/Kg		101	64 - 125	1	30
Butyl benzyl phthalate	0.33	U	3.33	3.23		mg/Kg		97	62 - 127	1	30
Caprolactam	0.33	U	1.33	1.42		mg/Kg		107	36 - 150	4	30
Carbazole	0.33	U	3.33	3.18		mg/Kg		96	64 - 120	2	30
Chrysene	0.39		3.33	3.60		mg/Kg		96	67 - 120	2	30
Dibenz(a,h)anthracene	0.035		3.33	3.53		mg/Kg		105	66 - 128	1	30
Dibenzofuran	0.020	J	3.33	3.07		mg/Kg		92	61 - 120	4	30
Diethyl phthalate	0.33	U	3.33	3.10		mg/Kg		93	63 - 120	3	30
Dimethyl phthalate	0.33	U	3.33	3.10		mg/Kg		93	65 - 120	4	30
Di-n-butyl phthalate	0.33	U	3.33	3.06		mg/Kg		92	66 - 120	3	30
Di-n-octyl phthalate	0.33	U	3.33	3.31		mg/Kg		99	61 - 123	4	30
Fluoranthene	0.53		3.33	3.81		mg/Kg		98	61 - 120	2	30
Fluorene	0.12	J	3.33	3.28		mg/Kg		95	64 - 120	1	30
Hexachlorobenzene	0.033	U	3.33	3.15		mg/Kg		95	66 - 120	3	30
Hexachlorobutadiene	0.067	U	3.33	3.00		mg/Kg		90	62 - 120	4	30
Hexachlorocyclopentadiene	0.33	U *	3.33	4.25	*	mg/Kg		128	13 - 120	6	30
Hexachloroethane	0.033	U	3.33	3.07		mg/Kg		92	61 - 120	4	30
Indeno[1,2,3-cd]pyrene	0.12		3.33	3.49		mg/Kg		101	71 - 137	13	30
Isophorone	0.13	U	3.33	3.12		mg/Kg		94	61 - 120	4	30
Naphthalene	0.44		3.33	3.55		mg/Kg		93	63 - 120	0	30
Nitrobenzene	0.033	U	3.33	3.03		mg/Kg		91	63 - 120	3	30
N-Nitrosodi-n-propylamine	0.033	U	3.33	3.05		mg/Kg		92	56 - 120	5	30
N-Nitrosodiphenylamine	0.33	U	3.33	3.18		mg/Kg		95	63 - 120	3	30
Pentachlorophenol	0.27	U	6.66	6.87		mg/Kg		103	61 - 126	2	30
Phenanthrene	0.57		3.33	3.77		mg/Kg		96	66 - 120	0	30
Phenol	0.33	U	3.33	3.00		mg/Kg		90	63 - 120	5	30
Pyrene	0.80		3.33	4.26		mg/Kg		104	61 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 137*
2-Fluorobiphenyl	*86*		*38 - 128*
2-Fluorophenol (Surr)	*82*		*31 - 133*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319530-E-1-B MSD
Matrix: Solid
Analysis Batch: 1018914

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018870

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5 (Surr)	83		35 - 132
Terphenyl-d14 (Surr)	87		44 - 147

Lab Sample ID: MB 460-1019077/1-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		01/31/25 20:05	02/01/25 13:03	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1019077/1-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Phenol	0.33	U	0.33	0.012	mg/Kg		01/31/25 20:05	02/01/25 13:03	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		01/31/25 20:05	02/01/25 13:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 137*	*01/31/25 20:05*	*02/01/25 13:03*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*01/31/25 20:05*	*02/01/25 13:03*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*01/31/25 20:05*	*02/01/25 13:03*	*1*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*	*01/31/25 20:05*	*02/01/25 13:03*	*1*
Phenol-d5 (Surr)	*76*		*35 - 132*	*01/31/25 20:05*	*02/01/25 13:03*	*1*
Terphenyl-d14 (Surr)	*73*		*44 - 147*	*01/31/25 20:05*	*02/01/25 13:03*	*1*

Lab Sample ID: LCS 460-1019077/2-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.96		mg/Kg		89	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.85		mg/Kg		85	60 - 120
1,4-Dioxane	3.33	2.53		mg/Kg		76	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.90		mg/Kg		87	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.08		mg/Kg		92	62 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1019077/2-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	3.33	3.10		mg/Kg		93	64 - 120
2,4,6-Trichlorophenol	3.33	3.12		mg/Kg		94	65 - 120
2,4-Dichlorophenol	3.33	3.03		mg/Kg		91	66 - 120
2,4-Dimethylphenol	3.33	3.45		mg/Kg		104	46 - 120
2,4-Dinitrophenol	6.67	6.09		mg/Kg		91	41 - 129
2,4-Dinitrotoluene	3.33	3.18		mg/Kg		96	65 - 124
2,6-Dinitrotoluene	3.33	3.13		mg/Kg		94	67 - 121
2-Chloronaphthalene	3.33	2.90		mg/Kg		87	64 - 120
2-Chlorophenol	3.33	2.82		mg/Kg		85	63 - 120
2-Methylnaphthalene	3.33	2.56		mg/Kg		77	64 - 120
2-Methylphenol	3.33	3.02		mg/Kg		91	63 - 120
2-Nitroaniline	3.33	2.64		mg/Kg		79	48 - 120
2-Nitrophenol	3.33	3.01		mg/Kg		90	64 - 120
3 & 4 Methylphenol	3.33	2.78		mg/Kg		83	61 - 120
3,3'-Dichlorobenzidine	3.33	2.21		mg/Kg		66	10 - 120
3-Nitroaniline	3.33	2.48		mg/Kg		75	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.19		mg/Kg		108	58 - 136
4-Bromophenyl phenyl ether	3.33	2.94		mg/Kg		88	60 - 120
4-Chloro-3-methylphenol	3.33	3.00		mg/Kg		90	66 - 120
4-Chloroaniline	3.33	2.28		mg/Kg		68	10 - 120
4-Chlorophenyl phenyl ether	3.33	2.93		mg/Kg		88	62 - 120
4-Methylphenol	3.33	2.78		mg/Kg		83	61 - 120
4-Nitroaniline	3.33	2.80		mg/Kg		84	51 - 120
4-Nitrophenol	6.67	6.38		mg/Kg		96	42 - 132
Acenaphthene	3.33	2.92		mg/Kg		88	65 - 120
Acenaphthylene	3.33	3.14		mg/Kg		94	64 - 120
Acetophenone	3.33	2.87		mg/Kg		86	61 - 120
Anthracene	3.33	2.92		mg/Kg		88	67 - 120
Atrazine	1.33	1.38		mg/Kg		104	32 - 150
Benzaldehyde	1.33	1.24		mg/Kg		93	28 - 150
Benzo[a]anthracene	3.33	2.96		mg/Kg		89	66 - 120
Benzo[a]pyrene	3.33	3.17		mg/Kg		95	73 - 123
Benzo[b]fluoranthene	3.33	2.97		mg/Kg		89	70 - 125
Benzo[g,h,i]perylene	3.33	3.26		mg/Kg		98	66 - 120
Benzo[k]fluoranthene	3.33	3.08		mg/Kg		92	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.91		mg/Kg		87	62 - 120
Bis(2-chloroethyl)ether	3.33	2.87		mg/Kg		86	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.08		mg/Kg		92	64 - 125
Butyl benzyl phthalate	3.33	3.00		mg/Kg		90	62 - 127
Caprolactam	1.33	1.44		mg/Kg		108	36 - 150
Carbazole	3.33	2.94		mg/Kg		88	64 - 120
Chrysene	3.33	2.89		mg/Kg		87	67 - 120
Dibenz(a,h)anthracene	3.33	3.14		mg/Kg		94	66 - 128
Dibenzofuran	3.33	2.91		mg/Kg		87	61 - 120
Diethyl phthalate	3.33	2.94		mg/Kg		88	63 - 120
Dimethyl phthalate	3.33	2.94		mg/Kg		88	65 - 120
Di-n-butyl phthalate	3.33	2.84		mg/Kg		85	66 - 120
Di-n-octyl phthalate	3.33	3.01		mg/Kg		90	61 - 123
Fluoranthene	3.33	2.92		mg/Kg		87	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1019077/2-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019077

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Fluorene			3.33	2.99		mg/Kg		90	64 - 120		
Hexachlorobenzene			3.33	2.98		mg/Kg		89	66 - 120		
Hexachlorobutadiene			3.33	2.77		mg/Kg		83	62 - 120		
Hexachlorocyclopentadiene			3.33	4.36	*	mg/Kg		131	13 - 120		
Hexachloroethane			3.33	2.87		mg/Kg		86	61 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.17		mg/Kg		95	71 - 137		
Isophorone			3.33	2.97		mg/Kg		89	61 - 120		
Naphthalene			3.33	2.84		mg/Kg		85	63 - 120		
Nitrobenzene			3.33	2.92		mg/Kg		88	63 - 120		
N-Nitrosodi-n-propylamine			3.33	2.96		mg/Kg		89	56 - 120		
N-Nitrosodiphenylamine			3.33	2.91		mg/Kg		87	63 - 120		
Pentachlorophenol			6.67	6.51		mg/Kg		98	61 - 126		
Phenanthrene			3.33	2.88		mg/Kg		86	66 - 120		
Phenol			3.33	2.96		mg/Kg		89	63 - 120		
Pyrene			3.33	2.97		mg/Kg		89	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*
2-Fluorobiphenyl	*81*		*38 - 128*
2-Fluorophenol (Surr)	*79*		*31 - 133*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*
Phenol-d5 (Surr)	*80*		*35 - 132*
Terphenyl-d14 (Surr)	*80*		*44 - 147*

Lab Sample ID: LCSD 460-1019077/3-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019077

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.85		mg/Kg		85	64 - 120	4	30
1,2,4,5-Tetrachlorobenzene			3.33	2.80		mg/Kg		84	60 - 120	2	30
1,4-Dioxane			3.33	2.63		mg/Kg		79	27 - 120	4	30
2,2'-oxybis[1-chloropropane]			3.33	2.86		mg/Kg		86	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.97		mg/Kg		89	62 - 120	4	30
2,4,5-Trichlorophenol			3.33	2.96		mg/Kg		89	64 - 120	5	30
2,4,6-Trichlorophenol			3.33	3.01		mg/Kg		90	65 - 120	4	30
2,4-Dichlorophenol			3.33	2.93		mg/Kg		88	66 - 120	3	30
2,4-Dimethylphenol			3.33	3.37		mg/Kg		101	46 - 120	2	30
2,4-Dinitrophenol			6.67	6.03		mg/Kg		91	41 - 129	1	30
2,4-Dinitrotoluene			3.33	3.03		mg/Kg		91	65 - 124	5	30
2,6-Dinitrotoluene			3.33	3.02		mg/Kg		91	67 - 121	3	30
2-Chloronaphthalene			3.33	2.83		mg/Kg		85	64 - 120	2	30
2-Chlorophenol			3.33	2.78		mg/Kg		83	63 - 120	2	30
2-Methylnaphthalene			3.33	2.50		mg/Kg		75	64 - 120	3	30
2-Methylphenol			3.33	2.92		mg/Kg		88	63 - 120	3	30
2-Nitroaniline			3.33	2.54		mg/Kg		76	48 - 120	4	30
2-Nitrophenol			3.33	2.97		mg/Kg		89	64 - 120	1	30
3 & 4 Methylphenol			3.33	2.69		mg/Kg		81	61 - 120	3	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1019077/3-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3,3'-Dichlorobenzidine	3.33	1.96		mg/Kg		59	10 - 120	12	30
3-Nitroaniline	3.33	2.25		mg/Kg		67	18 - 122	10	30
4,6-Dinitro-2-methylphenol	6.67	7.02		mg/Kg		105	58 - 136	2	30
4-Bromophenyl phenyl ether	3.33	2.87		mg/Kg		86	60 - 120	2	30
4-Chloro-3-methylphenol	3.33	2.86		mg/Kg		86	66 - 120	5	30
4-Chloroaniline	3.33	1.91		mg/Kg		57	10 - 120	18	30
4-Chlorophenyl phenyl ether	3.33	2.79		mg/Kg		84	62 - 120	5	30
4-Methylphenol	3.33	2.69		mg/Kg		81	61 - 120	3	30
4-Nitroaniline	3.33	2.55		mg/Kg		77	51 - 120	9	30
4-Nitrophenol	6.67	6.16		mg/Kg		92	42 - 132	4	30
Acenaphthene	3.33	2.81		mg/Kg		84	65 - 120	4	30
Acenaphthylene	3.33	2.97		mg/Kg		89	64 - 120	5	30
Acetophenone	3.33	2.80		mg/Kg		84	61 - 120	3	30
Anthracene	3.33	2.83		mg/Kg		85	67 - 120	3	30
Atrazine	1.33	1.38		mg/Kg		104	32 - 150	0	30
Benzaldehyde	1.33	1.29		mg/Kg		97	28 - 150	4	30
Benzo[a]anthracene	3.33	2.82		mg/Kg		85	66 - 120	5	30
Benzo[a]pyrene	3.33	3.08		mg/Kg		93	73 - 123	3	30
Benzo[b]fluoranthene	3.33	2.85		mg/Kg		85	70 - 125	4	30
Benzo[g,h,i]perylene	3.33	3.18		mg/Kg		95	66 - 120	3	30
Benzo[k]fluoranthene	3.33	3.04		mg/Kg		91	67 - 122	1	30
Bis(2-chloroethoxy)methane	3.33	2.80		mg/Kg		84	62 - 120	4	30
Bis(2-chloroethyl)ether	3.33	2.84		mg/Kg		85	60 - 120	1	30
Bis(2-ethylhexyl) phthalate	3.33	2.94		mg/Kg		88	64 - 125	5	30
Butyl benzyl phthalate	3.33	2.87		mg/Kg		86	62 - 127	4	30
Caprolactam	1.33	1.35		mg/Kg		101	36 - 150	7	30
Carbazole	3.33	2.86		mg/Kg		86	64 - 120	3	30
Chrysene	3.33	2.78		mg/Kg		83	67 - 120	4	30
Dibenz(a,h)anthracene	3.33	3.05		mg/Kg		92	66 - 128	3	30
Dibenzofuran	3.33	2.78		mg/Kg		84	61 - 120	4	30
Diethyl phthalate	3.33	2.82		mg/Kg		85	63 - 120	4	30
Dimethyl phthalate	3.33	2.81		mg/Kg		84	65 - 120	4	30
Di-n-butyl phthalate	3.33	2.75		mg/Kg		82	66 - 120	3	30
Di-n-octyl phthalate	3.33	2.93		mg/Kg		88	61 - 123	3	30
Fluoranthene	3.33	2.83		mg/Kg		85	61 - 120	3	30
Fluorene	3.33	2.88		mg/Kg		86	64 - 120	4	30
Hexachlorobenzene	3.33	2.85		mg/Kg		86	66 - 120	4	30
Hexachlorobutadiene	3.33	2.75		mg/Kg		83	62 - 120	1	30
Hexachlorocyclopentadiene	3.33	4.32	*	mg/Kg		130	13 - 120	1	30
Hexachloroethane	3.33	2.94		mg/Kg		88	61 - 120	2	30
Indeno[1,2,3-cd]pyrene	3.33	3.13		mg/Kg		94	71 - 137	1	30
Isophorone	3.33	2.90		mg/Kg		87	61 - 120	2	30
Naphthalene	3.33	2.80		mg/Kg		84	63 - 120	1	30
Nitrobenzene	3.33	2.87		mg/Kg		86	63 - 120	2	30
N-Nitrosodi-n-propylamine	3.33	2.88		mg/Kg		86	56 - 120	3	30
N-Nitrosodiphenylamine	3.33	2.84		mg/Kg		85	63 - 120	2	30
Pentachlorophenol	6.67	6.42		mg/Kg		96	61 - 126	1	30
Phenanthrene	3.33	2.81		mg/Kg		84	66 - 120	3	30
Phenol	3.33	2.89		mg/Kg		87	63 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1019077/3-A
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019077

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			3.33	2.86		mg/Kg		86	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*
2-Fluorobiphenyl	*77*		*38 - 128*
2-Fluorophenol (Surr)	*76*		*31 - 133*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*
Phenol-d5 (Surr)	*76*		*35 - 132*
Terphenyl-d14 (Surr)	*77*		*44 - 147*

Lab Sample ID: 460-319407-19 MS
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: 16A_5-10
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.37	U	3.69	3.03		mg/Kg	☼	82	64 - 120
1,2,4,5-Tetrachlorobenzene	0.37	U	3.69	2.94		mg/Kg	☼	80	60 - 120
1,4-Dioxane	0.037	U	3.69	2.45		mg/Kg	☼	66	27 - 120
2,2'-oxybis[1-chloropropane]	0.37	U	3.69	2.93		mg/Kg	☼	79	46 - 126
2,3,4,6-Tetrachlorophenol	0.37	U	3.69	3.12		mg/Kg	☼	85	62 - 120
2,4,5-Trichlorophenol	0.37	U	3.69	3.19		mg/Kg	☼	86	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.69	3.24		mg/Kg	☼	88	65 - 120
2,4-Dichlorophenol	0.15	U	3.69	3.10		mg/Kg	☼	84	66 - 120
2,4-Dimethylphenol	0.37	U	3.69	3.54		mg/Kg	☼	96	46 - 120
2,4-Dinitrophenol	0.29	U	7.38	6.19		mg/Kg	☼	84	41 - 129
2,4-Dinitrotoluene	0.074	U	3.69	3.25		mg/Kg	☼	88	65 - 124
2,6-Dinitrotoluene	0.074	U	3.69	3.26		mg/Kg	☼	88	67 - 121
2-Chloronaphthalene	0.37	U	3.69	2.95		mg/Kg	☼	80	64 - 120
2-Chlorophenol	0.37	U	3.69	2.86		mg/Kg	☼	78	63 - 120
2-Methylnaphthalene	0.37	U	3.69	2.57		mg/Kg	☼	70	64 - 120
2-Methylphenol	0.37	U	3.69	3.06		mg/Kg	☼	83	63 - 120
2-Nitroaniline	0.37	U	3.69	2.67		mg/Kg	☼	72	48 - 120
2-Nitrophenol	0.37	U	3.69	3.03		mg/Kg	☼	82	64 - 120
3 & 4 Methylphenol	0.37	U	3.69	2.87		mg/Kg	☼	78	61 - 120
3,3'-Dichlorobenzidine	0.15	U	3.69	2.15		mg/Kg	☼	58	10 - 120
3-Nitroaniline	0.37	U	3.69	2.47		mg/Kg	☼	67	18 - 122
4,6-Dinitro-2-methylphenol	0.29	U	7.38	7.53		mg/Kg	☼	102	58 - 136
4-Bromophenyl phenyl ether	0.37	U	3.69	3.13		mg/Kg	☼	85	60 - 120
4-Chloro-3-methylphenol	0.37	U	3.69	3.03		mg/Kg	☼	82	66 - 120
4-Chloroaniline	0.37	U	3.69	2.12		mg/Kg	☼	58	10 - 120
4-Chlorophenyl phenyl ether	0.37	U	3.69	2.99		mg/Kg	☼	81	62 - 120
4-Methylphenol	0.37	U	3.69	2.87		mg/Kg	☼	78	61 - 120
4-Nitroaniline	0.37	U	3.69	2.88		mg/Kg	☼	78	51 - 120
4-Nitrophenol	0.74	U	7.38	6.47		mg/Kg	☼	88	42 - 132
Acenaphthene	0.37	U	3.69	2.99		mg/Kg	☼	81	65 - 120
Acenaphthylene	0.37	U	3.69	3.21		mg/Kg	☼	87	64 - 120
Acetophenone	0.37	U	3.69	2.93		mg/Kg	☼	79	61 - 120
Anthracene	0.37	U	3.69	3.09		mg/Kg	☼	84	67 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319407-19 MS
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: 16A_5-10
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	0.15	U	1.48	1.56	E	mg/Kg	☼	106	32 - 150
Benzaldehyde	0.37	U	1.48	1.34	E	mg/Kg	☼	91	28 - 150
Benzo[a]anthracene	0.037	U	3.69	3.04		mg/Kg	☼	82	66 - 120
Benzo[a]pyrene	0.037	U	3.69	3.34		mg/Kg	☼	91	73 - 123
Benzo[b]fluoranthene	0.037	U	3.69	3.14		mg/Kg	☼	85	70 - 125
Benzo[g,h,i]perylene	0.37	U	3.69	3.41		mg/Kg	☼	92	66 - 120
Benzo[k]fluoranthene	0.037	U	3.69	3.23		mg/Kg	☼	88	67 - 122
Bis(2-chloroethoxy)methane	0.37	U	3.69	2.93		mg/Kg	☼	79	62 - 120
Bis(2-chloroethyl)ether	0.037	U	3.69	2.91		mg/Kg	☼	79	60 - 120
Bis(2-ethylhexyl) phthalate	0.37	U	3.69	3.18		mg/Kg	☼	86	64 - 125
Butyl benzyl phthalate	0.37	U	3.69	3.10		mg/Kg	☼	84	62 - 127
Caprolactam	0.37	U	1.48	1.53		mg/Kg	☼	104	36 - 150
Carbazole	0.37	U	3.69	3.09		mg/Kg	☼	84	64 - 120
Chrysene	0.37	U	3.69	2.99		mg/Kg	☼	81	67 - 120
Dibenz(a,h)anthracene	0.037	U	3.69	3.23		mg/Kg	☼	88	66 - 128
Dibenzofuran	0.37	U	3.69	2.96		mg/Kg	☼	80	61 - 120
Diethyl phthalate	0.37	U	3.69	2.98		mg/Kg	☼	81	63 - 120
Dimethyl phthalate	0.37	U	3.69	3.02		mg/Kg	☼	82	65 - 120
Di-n-butyl phthalate	0.37	U	3.69	3.01		mg/Kg	☼	82	66 - 120
Di-n-octyl phthalate	0.37	U	3.69	3.22		mg/Kg	☼	87	61 - 123
Fluoranthene	0.37	U	3.69	3.06		mg/Kg	☼	83	61 - 120
Fluorene	0.37	U	3.69	3.10		mg/Kg	☼	84	64 - 120
Hexachlorobenzene	0.037	U	3.69	3.13		mg/Kg	☼	85	66 - 120
Hexachlorobutadiene	0.074	U	3.69	2.79		mg/Kg	☼	76	62 - 120
Hexachlorocyclopentadiene	0.37	U *	3.69	4.47	*	mg/Kg	☼	121	13 - 120
Hexachloroethane	0.037	U	3.69	2.92		mg/Kg	☼	79	61 - 120
Indeno[1,2,3-cd]pyrene	0.037	U	3.69	3.48		mg/Kg	☼	94	71 - 137
Isophorone	0.15	U	3.69	3.03		mg/Kg	☼	82	61 - 120
Naphthalene	0.37	U	3.69	2.87		mg/Kg	☼	78	63 - 120
Nitrobenzene	0.037	U	3.69	2.99		mg/Kg	☼	81	63 - 120
N-Nitrosodi-n-propylamine	0.037	U	3.69	3.02		mg/Kg	☼	82	56 - 120
N-Nitrosodiphenylamine	0.37	U	3.69	3.09		mg/Kg	☼	84	63 - 120
Pentachlorophenol	0.29	U	7.38	6.71		mg/Kg	☼	91	61 - 126
Phenanthrene	0.37	U	3.69	3.04		mg/Kg	☼	82	66 - 120
Phenol	0.37	U	3.69	2.96		mg/Kg	☼	80	63 - 120
Pyrene	0.37	U	3.69	3.12		mg/Kg	☼	85	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*
2-Fluorobiphenyl	*75*		*38 - 128*
2-Fluorophenol (Surr)	*74*		*31 - 133*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*
Phenol-d5 (Surr)	*73*		*35 - 132*
Terphenyl-d14 (Surr)	*76*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319407-19 MSD
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: 16A_5-10
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.37	U	3.69	3.04		mg/Kg	☼	82	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene	0.37	U	3.69	3.00		mg/Kg	☼	81	60 - 120	2	30
1,4-Dioxane	0.037	U	3.69	2.49		mg/Kg	☼	67	27 - 120	2	30
2,2'-oxybis[1-chloropropane]	0.37	U	3.69	2.96		mg/Kg	☼	80	46 - 126	1	30
2,3,4,6-Tetrachlorophenol	0.37	U	3.69	3.16		mg/Kg	☼	86	62 - 120	1	30
2,4,5-Trichlorophenol	0.37	U	3.69	3.20		mg/Kg	☼	87	64 - 120	0	30
2,4,6-Trichlorophenol	0.15	U	3.69	3.22		mg/Kg	☼	87	65 - 120	0	30
2,4-Dichlorophenol	0.15	U	3.69	3.19		mg/Kg	☼	86	66 - 120	3	30
2,4-Dimethylphenol	0.37	U	3.69	3.57		mg/Kg	☼	97	46 - 120	1	30
2,4-Dinitrophenol	0.29	U	7.38	6.58		mg/Kg	☼	89	41 - 129	6	30
2,4-Dinitrotoluene	0.074	U	3.69	3.30		mg/Kg	☼	89	65 - 124	1	30
2,6-Dinitrotoluene	0.074	U	3.69	3.27		mg/Kg	☼	88	67 - 121	0	30
2-Chloronaphthalene	0.37	U	3.69	3.01		mg/Kg	☼	82	64 - 120	2	30
2-Chlorophenol	0.37	U	3.69	2.93		mg/Kg	☼	79	63 - 120	2	30
2-Methylnaphthalene	0.37	U	3.69	2.61		mg/Kg	☼	71	64 - 120	2	30
2-Methylphenol	0.37	U	3.69	3.10		mg/Kg	☼	84	63 - 120	1	30
2-Nitroaniline	0.37	U	3.69	2.72		mg/Kg	☼	74	48 - 120	2	30
2-Nitrophenol	0.37	U	3.69	3.15		mg/Kg	☼	85	64 - 120	4	30
3 & 4 Methylphenol	0.37	U	3.69	2.90		mg/Kg	☼	79	61 - 120	1	30
3,3'-Dichlorobenzidine	0.15	U	3.69	2.31		mg/Kg	☼	63	10 - 120	7	30
3-Nitroaniline	0.37	U	3.69	2.61		mg/Kg	☼	71	18 - 122	5	30
4,6-Dinitro-2-methylphenol	0.29	U	7.38	7.58		mg/Kg	☼	103	58 - 136	1	30
4-Bromophenyl phenyl ether	0.37	U	3.69	3.13		mg/Kg	☼	85	60 - 120	0	30
4-Chloro-3-methylphenol	0.37	U	3.69	3.14		mg/Kg	☼	85	66 - 120	4	30
4-Chloroaniline	0.37	U	3.69	2.35		mg/Kg	☼	64	10 - 120	10	30
4-Chlorophenyl phenyl ether	0.37	U	3.69	3.03		mg/Kg	☼	82	62 - 120	1	30
4-Methylphenol	0.37	U	3.69	2.90		mg/Kg	☼	79	61 - 120	1	30
4-Nitroaniline	0.37	U	3.69	2.98		mg/Kg	☼	81	51 - 120	3	30
4-Nitrophenol	0.74	U	7.38	6.66		mg/Kg	☼	90	42 - 132	3	30
Acenaphthene	0.37	U	3.69	3.02		mg/Kg	☼	82	65 - 120	1	30
Acenaphthylene	0.37	U	3.69	3.25		mg/Kg	☼	88	64 - 120	1	30
Acetophenone	0.37	U	3.69	2.95		mg/Kg	☼	80	61 - 120	1	30
Anthracene	0.37	U	3.69	3.06		mg/Kg	☼	83	67 - 120	1	30
Atrazine	0.15	U	1.48	1.63	E	mg/Kg	☼	110	32 - 150	4	30
Benzaldehyde	0.37	U	1.48	1.37	E	mg/Kg	☼	93	28 - 150	2	30
Benzo[a]anthracene	0.037	U	3.69	3.04		mg/Kg	☼	82	66 - 120	0	30
Benzo[a]pyrene	0.037	U	3.69	3.39		mg/Kg	☼	92	73 - 123	1	30
Benzo[b]fluoranthene	0.037	U	3.69	3.14		mg/Kg	☼	85	70 - 125	0	30
Benzo[g,h,i]perylene	0.37	U	3.69	3.45		mg/Kg	☼	94	66 - 120	1	30
Benzo[k]fluoranthene	0.037	U	3.69	3.26		mg/Kg	☼	88	67 - 122	1	30
Bis(2-chloroethoxy)methane	0.37	U	3.69	2.96		mg/Kg	☼	80	62 - 120	1	30
Bis(2-chloroethyl)ether	0.037	U	3.69	2.93		mg/Kg	☼	79	60 - 120	1	30
Bis(2-ethylhexyl) phthalate	0.37	U	3.69	3.16		mg/Kg	☼	86	64 - 125	1	30
Butyl benzyl phthalate	0.37	U	3.69	3.09		mg/Kg	☼	84	62 - 127	0	30
Caprolactam	0.37	U	1.48	1.65		mg/Kg	☼	112	36 - 150	7	30
Carbazole	0.37	U	3.69	3.06		mg/Kg	☼	83	64 - 120	1	30
Chrysene	0.37	U	3.69	3.05		mg/Kg	☼	83	67 - 120	2	30
Dibenz(a,h)anthracene	0.037	U	3.69	3.30		mg/Kg	☼	90	66 - 128	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319407-19 MSD
Matrix: Solid
Analysis Batch: 1019143

Client Sample ID: 16A_5-10
Prep Type: Total/NA
Prep Batch: 1019077

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran	0.37	U	3.69	3.03		mg/Kg	☼	82	61 - 120	2	30
Diethyl phthalate	0.37	U	3.69	3.02		mg/Kg	☼	82	63 - 120	1	30
Dimethyl phthalate	0.37	U	3.69	3.04		mg/Kg	☼	82	65 - 120	0	30
Di-n-butyl phthalate	0.37	U	3.69	2.98		mg/Kg	☼	81	66 - 120	1	30
Di-n-octyl phthalate	0.37	U	3.69	3.18		mg/Kg	☼	86	61 - 123	1	30
Fluoranthene	0.37	U	3.69	3.09		mg/Kg	☼	84	61 - 120	1	30
Fluorene	0.37	U	3.69	3.11		mg/Kg	☼	84	64 - 120	0	30
Hexachlorobenzene	0.037	U	3.69	3.08		mg/Kg	☼	84	66 - 120	2	30
Hexachlorobutadiene	0.074	U	3.69	2.86		mg/Kg	☼	77	62 - 120	2	30
Hexachlorocyclopentadiene	0.37	U *	3.69	4.54	*	mg/Kg	☼	123	13 - 120	1	30
Hexachloroethane	0.037	U	3.69	3.00		mg/Kg	☼	81	61 - 120	3	30
Indeno[1,2,3-cd]pyrene	0.037	U	3.69	3.17		mg/Kg	☼	86	71 - 137	9	30
Isophorone	0.15	U	3.69	3.08		mg/Kg	☼	84	61 - 120	2	30
Naphthalene	0.37	U	3.69	2.95		mg/Kg	☼	80	63 - 120	3	30
Nitrobenzene	0.037	U	3.69	3.03		mg/Kg	☼	82	63 - 120	1	30
N-Nitrosodi-n-propylamine	0.037	U	3.69	3.06		mg/Kg	☼	83	56 - 120	1	30
N-Nitrosodiphenylamine	0.37	U	3.69	3.07		mg/Kg	☼	83	63 - 120	1	30
Pentachlorophenol	0.29	U	7.38	6.73		mg/Kg	☼	91	61 - 126	0	30
Phenanthrene	0.37	U	3.69	3.04		mg/Kg	☼	82	66 - 120	0	30
Phenol	0.37	U	3.69	3.01		mg/Kg	☼	82	63 - 120	2	30
Pyrene	0.37	U	3.69	3.09		mg/Kg	☼	84	61 - 121	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*
2-Fluorobiphenyl	*74*		*38 - 128*
2-Fluorophenol (Surr)	*71*		*31 - 133*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*
Phenol-d5 (Surr)	*72*		*35 - 132*
Terphenyl-d14 (Surr)	*73*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1018848/1-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/30/25 16:17	01/31/25 04:04	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1018848/1-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/30/25 16:17	01/31/25 04:04	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/30/25 16:17	01/31/25 04:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*17 - 150*	*01/30/25 16:17*	*01/31/25 04:04*	*1*
DCB Decachlorobiphenyl	*92*		*17 - 150*	*01/30/25 16:17*	*01/31/25 04:04*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*01/30/25 16:17*	*01/31/25 04:04*	*1*
Tetrachloro-m-xylene	*87*		*21 - 150*	*01/30/25 16:17*	*01/31/25 04:04*	*1*

Lab Sample ID: LCS 460-1018848/2-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.128		mg/Kg		96	70 - 138
4,4'-DDD	0.133	0.122		mg/Kg		91	70 - 138
4,4'-DDE	0.133	0.135		mg/Kg		101	68 - 136
4,4'-DDE	0.133	0.123		mg/Kg		92	68 - 136
4,4'-DDT	0.133	0.148		mg/Kg		111	66 - 149
4,4'-DDT	0.133	0.121		mg/Kg		91	66 - 149

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1018848/2-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018848

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aldrin			0.133	0.126		mg/Kg		95	69 - 136		
Aldrin			0.133	0.113		mg/Kg		84	69 - 136		
alpha-BHC			0.133	0.129		mg/Kg		97	72 - 134		
alpha-BHC			0.133	0.118		mg/Kg		88	72 - 134		
beta-BHC			0.133	0.123		mg/Kg		92	71 - 130		
beta-BHC			0.133	0.110		mg/Kg		83	71 - 130		
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135		
cis-Chlordane			0.133	0.118		mg/Kg		88	69 - 135		
delta-BHC			0.133	0.125		mg/Kg		94	69 - 140		
delta-BHC			0.133	0.116		mg/Kg		87	69 - 140		
Dieldrin			0.133	0.131		mg/Kg		99	69 - 134		
Dieldrin			0.133	0.119		mg/Kg		89	69 - 134		
Endosulfan I			0.133	0.131		mg/Kg		98	69 - 133		
Endosulfan I			0.133	0.121		mg/Kg		91	69 - 133		
Endosulfan II			0.133	0.132		mg/Kg		99	71 - 137		
Endosulfan II			0.133	0.126		mg/Kg		94	71 - 137		
Endosulfan sulfate			0.133	0.137		mg/Kg		103	61 - 140		
Endosulfan sulfate			0.133	0.110		mg/Kg		82	61 - 140		
Endrin			0.133	0.134		mg/Kg		101	67 - 141		
Endrin			0.133	0.117		mg/Kg		88	67 - 141		
Endrin aldehyde			0.133	0.130		mg/Kg		97	71 - 136		
Endrin aldehyde			0.133	0.114		mg/Kg		85	71 - 136		
Endrin ketone			0.133	0.130		mg/Kg		98	60 - 146		
Endrin ketone			0.133	0.111		mg/Kg		83	60 - 146		
gamma-BHC (Lindane)			0.133	0.127		mg/Kg		95	72 - 139		
gamma-BHC (Lindane)			0.133	0.115		mg/Kg		86	72 - 139		
Heptachlor			0.133	0.127		mg/Kg		95	74 - 138		
Heptachlor			0.133	0.116		mg/Kg		87	74 - 138		
Heptachlor epoxide			0.133	0.126		mg/Kg		95	72 - 134		
Heptachlor epoxide			0.133	0.114		mg/Kg		86	72 - 134		
Methoxychlor			0.133	0.163		mg/Kg		122	60 - 150		
Methoxychlor			0.133	0.122		mg/Kg		91	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*17 - 150*
DCB Decachlorobiphenyl	*75*		*17 - 150*
Tetrachloro-m-xylene	*74*		*21 - 150*
Tetrachloro-m-xylene	*74*		*21 - 150*

Lab Sample ID: LCSD 460-1018848/3-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.130		mg/Kg		98	70 - 138	2	30
4,4'-DDD			0.133	0.126		mg/Kg		94	70 - 138	3	30
4,4'-DDE			0.133	0.138		mg/Kg		103	68 - 136	2	30
4,4'-DDE			0.133	0.127		mg/Kg		95	68 - 136	3	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1018848/3-A
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018848

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDT			0.133	0.149		mg/Kg		112	66 - 149	1	30
4,4'-DDT			0.133	0.124		mg/Kg		93	66 - 149	3	30
Aldrin			0.133	0.131		mg/Kg		98	69 - 136	4	30
Aldrin			0.133	0.117		mg/Kg		88	69 - 136	4	30
alpha-BHC			0.133	0.134		mg/Kg		100	72 - 134	3	30
alpha-BHC			0.133	0.122		mg/Kg		92	72 - 134	4	30
beta-BHC			0.133	0.130		mg/Kg		98	71 - 130	6	30
beta-BHC			0.133	0.115		mg/Kg		86	71 - 130	4	30
cis-Chlordane			0.133	0.137		mg/Kg		103	69 - 135	3	30
cis-Chlordane			0.133	0.123		mg/Kg		92	69 - 135	4	30
delta-BHC			0.133	0.131		mg/Kg		98	69 - 140	5	30
delta-BHC			0.133	0.119		mg/Kg		89	69 - 140	3	30
Dieldrin			0.133	0.134		mg/Kg		101	69 - 134	2	30
Dieldrin			0.133	0.123		mg/Kg		92	69 - 134	4	30
Endosulfan I			0.133	0.134		mg/Kg		100	69 - 133	2	30
Endosulfan I			0.133	0.126		mg/Kg		94	69 - 133	4	30
Endosulfan II			0.133	0.135		mg/Kg		102	71 - 137	2	30
Endosulfan II			0.133	0.130		mg/Kg		98	71 - 137	4	30
Endosulfan sulfate			0.133	0.140		mg/Kg		105	61 - 140	2	30
Endosulfan sulfate			0.133	0.114		mg/Kg		86	61 - 140	4	30
Endrin			0.133	0.136		mg/Kg		102	67 - 141	1	30
Endrin			0.133	0.121		mg/Kg		91	67 - 141	3	30
Endrin aldehyde			0.133	0.132		mg/Kg		99	71 - 136	2	30
Endrin aldehyde			0.133	0.118		mg/Kg		88	71 - 136	4	30
Endrin ketone			0.133	0.133		mg/Kg		100	60 - 146	2	30
Endrin ketone			0.133	0.116		mg/Kg		87	60 - 146	4	30
gamma-BHC (Lindane)			0.133	0.133		mg/Kg		100	72 - 139	5	30
gamma-BHC (Lindane)			0.133	0.119		mg/Kg		90	72 - 139	4	30
Heptachlor			0.133	0.132		mg/Kg		99	74 - 138	4	30
Heptachlor			0.133	0.120		mg/Kg		90	74 - 138	3	30
Heptachlor epoxide			0.133	0.130		mg/Kg		97	72 - 134	3	30
Heptachlor epoxide			0.133	0.119		mg/Kg		89	72 - 134	4	30
Methoxychlor			0.133	0.163		mg/Kg		122	60 - 150	0	30
Methoxychlor			0.133	0.126		mg/Kg		94	60 - 150	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*17 - 150*
DCB Decachlorobiphenyl	*89*		*17 - 150*
Tetrachloro-m-xylene	*80*		*21 - 150*
Tetrachloro-m-xylene	*81*		*21 - 150*

Lab Sample ID: 460-319044-E-1-I MS
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0068	U	0.135	0.125		mg/Kg	☼	92	70 - 138
4,4'-DDD	0.0068	U	0.135	0.125		mg/Kg	☼	92	70 - 138

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319044-E-1-I MS
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	0.0068	U	0.135	0.132		mg/Kg	☼	98	68 - 136
4,4'-DDE	0.0068	U	0.135	0.125		mg/Kg	☼	93	68 - 136
4,4'-DDT	0.0024	J	0.135	0.139		mg/Kg	☼	101	66 - 149
4,4'-DDT	0.0024	J	0.135	0.121		mg/Kg	☼	87	66 - 149
Aldrin	0.0068	U	0.135	0.126		mg/Kg	☼	93	69 - 136
Aldrin	0.0068	U	0.135	0.117		mg/Kg	☼	87	69 - 136
alpha-BHC	0.0020	U	0.135	0.141		mg/Kg	☼	104	72 - 134
alpha-BHC	0.0020	U	0.135	0.139		mg/Kg	☼	103	72 - 134
beta-BHC	0.0020	U	0.135	0.129		mg/Kg	☼	95	71 - 130
beta-BHC	0.0020	U	0.135	0.117		mg/Kg	☼	87	71 - 130
cis-Chlordane	0.014		0.135	0.136		mg/Kg	☼	90	69 - 135
cis-Chlordane	0.0068	p	0.135	0.131		mg/Kg	☼	92	69 - 135
delta-BHC	0.0020	U	0.135	0.124		mg/Kg	☼	92	69 - 140
delta-BHC	0.0020	U	0.135	0.126		mg/Kg	☼	93	69 - 140
Dieldrin	0.0020	U	0.135	0.129		mg/Kg	☼	95	69 - 134
Dieldrin	0.0020	U	0.135	0.121		mg/Kg	☼	90	69 - 134
Endosulfan I	0.0068	U	0.135	0.128		mg/Kg	☼	95	69 - 133
Endosulfan I	0.0068	U	0.135	0.125		mg/Kg	☼	92	69 - 133
Endosulfan II	0.0068	U	0.135	0.129		mg/Kg	☼	95	71 - 137
Endosulfan II	0.0068	U	0.135	0.128		mg/Kg	☼	94	71 - 137
Endosulfan sulfate	0.0068	U	0.135	0.132		mg/Kg	☼	97	61 - 140
Endosulfan sulfate	0.0068	U	0.135	0.110		mg/Kg	☼	82	61 - 140
Endrin	0.0068	U	0.135	0.125		mg/Kg	☼	92	67 - 141
Endrin	0.0068	U	0.135	0.116		mg/Kg	☼	86	67 - 141
Endrin aldehyde	0.0068	U	0.135	0.128		mg/Kg	☼	94	71 - 136
Endrin aldehyde	0.0068	U	0.135	0.120		mg/Kg	☼	89	71 - 136
Endrin ketone	0.0068	U	0.135	0.129		mg/Kg	☼	96	60 - 146
Endrin ketone	0.0068	U	0.135	0.115		mg/Kg	☼	85	60 - 146
gamma-BHC (Lindane)	0.0020	U	0.135	0.134		mg/Kg	☼	99	72 - 139
gamma-BHC (Lindane)	0.0020	U	0.135	0.123		mg/Kg	☼	91	72 - 139
Heptachlor	0.0068	U	0.135	0.126		mg/Kg	☼	93	74 - 138
Heptachlor	0.0068	U	0.135	0.123		mg/Kg	☼	91	74 - 138
Heptachlor epoxide	0.0068	U	0.135	0.126		mg/Kg	☼	93	72 - 134
Heptachlor epoxide	0.0068	U	0.135	0.120		mg/Kg	☼	88	72 - 134
Methoxychlor	0.0068	U	0.135	0.149		mg/Kg	☼	110	60 - 150
Methoxychlor	0.0068	U	0.135	0.120		mg/Kg	☼	89	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*17 - 150*
DCB Decachlorobiphenyl	*79*		*17 - 150*
Tetrachloro-m-xylene	*75*		*21 - 150*
Tetrachloro-m-xylene	*80*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319044-E-1-J MSD
Matrix: Solid
Analysis Batch: 1018895

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018848

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0068	U	0.136	0.134		mg/Kg	☼	99	70 - 138	7	30
4,4'-DDD	0.0068	U	0.136	0.129		mg/Kg	☼	95	70 - 138	4	30
4,4'-DDE	0.0068	U	0.136	0.145		mg/Kg	☼	107	68 - 136	9	30
4,4'-DDE	0.0068	U	0.136	0.131		mg/Kg	☼	97	68 - 136	4	30
4,4'-DDT	0.0024	J	0.136	0.152		mg/Kg	☼	110	66 - 149	9	30
4,4'-DDT	0.0024	J	0.136	0.126		mg/Kg	☼	91	66 - 149	4	30
Aldrin	0.0068	U	0.136	0.139		mg/Kg	☼	102	69 - 136	10	30
Aldrin	0.0068	U	0.136	0.122		mg/Kg	☼	90	69 - 136	4	30
alpha-BHC	0.0020	U	0.136	0.143		mg/Kg	☼	105	72 - 134	2	30
alpha-BHC	0.0020	U	0.136	0.130		mg/Kg	☼	95	72 - 134	7	30
beta-BHC	0.0020	U	0.136	0.137		mg/Kg	☼	101	71 - 130	6	30
beta-BHC	0.0020	U	0.136	0.122		mg/Kg	☼	90	71 - 130	4	30
cis-Chlordane	0.014		0.136	0.150		mg/Kg	☼	100	69 - 135	10	30
cis-Chlordane	0.0068	p	0.136	0.138		mg/Kg	☼	97	69 - 135	5	30
delta-BHC	0.0020	U	0.136	0.138		mg/Kg	☼	101	69 - 140	10	30
delta-BHC	0.0020	U	0.136	0.125		mg/Kg	☼	92	69 - 140	1	30
Dieldrin	0.0020	U	0.136	0.141		mg/Kg	☼	104	69 - 134	9	30
Dieldrin	0.0020	U	0.136	0.127		mg/Kg	☼	94	69 - 134	5	30
Endosulfan I	0.0068	U	0.136	0.140		mg/Kg	☼	103	69 - 133	9	30
Endosulfan I	0.0068	U	0.136	0.131		mg/Kg	☼	96	69 - 133	5	30
Endosulfan II	0.0068	U	0.136	0.141		mg/Kg	☼	104	71 - 137	9	30
Endosulfan II	0.0068	U	0.136	0.133		mg/Kg	☼	98	71 - 137	4	30
Endosulfan sulfate	0.0068	U	0.136	0.145		mg/Kg	☼	107	61 - 140	9	30
Endosulfan sulfate	0.0068	U	0.136	0.116		mg/Kg	☼	85	61 - 140	5	30
Endrin	0.0068	U	0.136	0.137		mg/Kg	☼	101	67 - 141	10	30
Endrin	0.0068	U	0.136	0.121		mg/Kg	☼	89	67 - 141	4	30
Endrin aldehyde	0.0068	U	0.136	0.140		mg/Kg	☼	103	71 - 136	9	30
Endrin aldehyde	0.0068	U	0.136	0.126		mg/Kg	☼	93	71 - 136	5	30
Endrin ketone	0.0068	U	0.136	0.141		mg/Kg	☼	104	60 - 146	9	30
Endrin ketone	0.0068	U	0.136	0.120		mg/Kg	☼	89	60 - 146	5	30
gamma-BHC (Lindane)	0.0020	U	0.136	0.142		mg/Kg	☼	104	72 - 139	6	30
gamma-BHC (Lindane)	0.0020	U	0.136	0.126		mg/Kg	☼	93	72 - 139	3	30
Heptachlor	0.0068	U	0.136	0.140		mg/Kg	☼	103	74 - 138	11	30
Heptachlor	0.0068	U	0.136	0.127		mg/Kg	☼	94	74 - 138	3	30
Heptachlor epoxide	0.0068	U	0.136	0.139		mg/Kg	☼	102	72 - 134	10	30
Heptachlor epoxide	0.0068	U	0.136	0.125		mg/Kg	☼	92	72 - 134	5	30
Methoxychlor	0.0068	U	0.136	0.162		mg/Kg	☼	120	60 - 150	9	30
Methoxychlor	0.0068	U	0.136	0.126		mg/Kg	☼	93	60 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*17 - 150*
DCB Decachlorobiphenyl	*82*		*17 - 150*
Tetrachloro-m-xylene	*80*		*21 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1018936/1-A
Matrix: Solid
Analysis Batch: 1019007

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018936

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/31/25 06:37	01/31/25 13:40	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		01/31/25 06:37	01/31/25 13:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*17 - 150*	*01/31/25 06:37*	*01/31/25 13:40*	*1*
DCB Decachlorobiphenyl	*104*		*17 - 150*	*01/31/25 06:37*	*01/31/25 13:40*	*1*
Tetrachloro-m-xylene	*91*		*21 - 150*	*01/31/25 06:37*	*01/31/25 13:40*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*01/31/25 06:37*	*01/31/25 13:40*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-1018936/2-A
Matrix: Solid
Analysis Batch: 1019007

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018936

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD			0.133	0.123		mg/Kg		92	70 - 138		
4,4'-DDD			0.133	0.120		mg/Kg		90	70 - 138		
4,4'-DDE			0.133	0.134		mg/Kg		101	68 - 136		
4,4'-DDE			0.133	0.122		mg/Kg		92	68 - 136		
4,4'-DDT			0.133	0.142		mg/Kg		106	66 - 149		
4,4'-DDT			0.133	0.120		mg/Kg		90	66 - 149		
Aldrin			0.133	0.127		mg/Kg		95	69 - 136		
Aldrin			0.133	0.114		mg/Kg		86	69 - 136		
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 134		
alpha-BHC			0.133	0.120		mg/Kg		90	72 - 134		
beta-BHC			0.133	0.123		mg/Kg		93	71 - 130		
beta-BHC			0.133	0.115		mg/Kg		86	71 - 130		
cis-Chlordane			0.133	0.132		mg/Kg		99	69 - 135		
cis-Chlordane			0.133	0.121		mg/Kg		91	69 - 135		
delta-BHC			0.133	0.123		mg/Kg		92	69 - 140		
delta-BHC			0.133	0.119		mg/Kg		89	69 - 140		
Dieldrin			0.133	0.132		mg/Kg		99	69 - 134		
Dieldrin			0.133	0.120		mg/Kg		90	69 - 134		
Endosulfan I			0.133	0.131		mg/Kg		98	69 - 133		
Endosulfan I			0.133	0.125		mg/Kg		94	69 - 133		
Endosulfan II			0.133	0.133		mg/Kg		100	71 - 137		
Endosulfan II			0.133	0.128		mg/Kg		96	71 - 137		
Endosulfan sulfate			0.133	0.132		mg/Kg		99	61 - 140		
Endosulfan sulfate			0.133	0.109		mg/Kg		82	61 - 140		
Endrin			0.133	0.125		mg/Kg		94	67 - 141		
Endrin			0.133	0.115		mg/Kg		86	67 - 141		
Endrin aldehyde			0.133	0.123		mg/Kg		92	71 - 136		
Endrin aldehyde			0.133	0.113		mg/Kg		84	71 - 136		
Endrin ketone			0.133	0.130		mg/Kg		97	60 - 146		
Endrin ketone			0.133	0.115		mg/Kg		86	60 - 146		
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		95	72 - 139		
gamma-BHC (Lindane)			0.133	0.118		mg/Kg		88	72 - 139		
Heptachlor			0.133	0.126		mg/Kg		95	74 - 138		
Heptachlor			0.133	0.117		mg/Kg		88	74 - 138		
Heptachlor epoxide			0.133	0.128		mg/Kg		96	72 - 134		
Heptachlor epoxide			0.133	0.117		mg/Kg		88	72 - 134		
Methoxychlor			0.133	0.149		mg/Kg		112	60 - 150		
Methoxychlor			0.133	0.117		mg/Kg		88	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*17 - 150*
DCB Decachlorobiphenyl	*87*		*17 - 150*
Tetrachloro-m-xylene	*77*		*21 - 150*
Tetrachloro-m-xylene	*82*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1018936/3-A
Matrix: Solid
Analysis Batch: 1019007

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018936

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.131		mg/Kg		98	70 - 138	6	30
4,4'-DDD			0.133	0.128		mg/Kg		96	70 - 138	7	30
4,4'-DDE			0.133	0.142		mg/Kg		107	68 - 136	6	30
4,4'-DDE			0.133	0.132		mg/Kg		99	68 - 136	7	30
4,4'-DDT			0.133	0.151		mg/Kg		114	66 - 149	7	30
4,4'-DDT			0.133	0.128		mg/Kg		96	66 - 149	6	30
Aldrin			0.133	0.134		mg/Kg		100	69 - 136	5	30
Aldrin			0.133	0.122		mg/Kg		91	69 - 136	6	30
alpha-BHC			0.133	0.135		mg/Kg		101	72 - 134	6	30
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 134	6	30
beta-BHC			0.133	0.133		mg/Kg		99	71 - 130	7	30
beta-BHC			0.133	0.124		mg/Kg		93	71 - 130	8	30
cis-Chlordane			0.133	0.138		mg/Kg		104	69 - 135	5	30
cis-Chlordane			0.133	0.130		mg/Kg		97	69 - 135	7	30
delta-BHC			0.133	0.131		mg/Kg		98	69 - 140	7	30
delta-BHC			0.133	0.126		mg/Kg		95	69 - 140	6	30
Dieldrin			0.133	0.140		mg/Kg		105	69 - 134	6	30
Dieldrin			0.133	0.129		mg/Kg		97	69 - 134	7	30
Endosulfan I			0.133	0.139		mg/Kg		104	69 - 133	6	30
Endosulfan I			0.133	0.134		mg/Kg		100	69 - 133	7	30
Endosulfan II			0.133	0.140		mg/Kg		105	71 - 137	5	30
Endosulfan II			0.133	0.135		mg/Kg		101	71 - 137	5	30
Endosulfan sulfate			0.133	0.141		mg/Kg		106	61 - 140	6	30
Endosulfan sulfate			0.133	0.117		mg/Kg		88	61 - 140	7	30
Endrin			0.133	0.130		mg/Kg		98	67 - 141	4	30
Endrin			0.133	0.122		mg/Kg		91	67 - 141	6	30
Endrin aldehyde			0.133	0.129		mg/Kg		97	71 - 136	5	30
Endrin aldehyde			0.133	0.119		mg/Kg		89	71 - 136	6	30
Endrin ketone			0.133	0.139		mg/Kg		105	60 - 146	7	30
Endrin ketone			0.133	0.122		mg/Kg		92	60 - 146	7	30
gamma-BHC (Lindane)			0.133	0.136		mg/Kg		102	72 - 139	7	30
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		94	72 - 139	7	30
Heptachlor			0.133	0.134		mg/Kg		100	74 - 138	6	30
Heptachlor			0.133	0.124		mg/Kg		93	74 - 138	6	30
Heptachlor epoxide			0.133	0.135		mg/Kg		101	72 - 134	5	30
Heptachlor epoxide			0.133	0.125		mg/Kg		94	72 - 134	7	30
Methoxychlor			0.133	0.159		mg/Kg		119	60 - 150	6	30
Methoxychlor			0.133	0.125		mg/Kg		93	60 - 150	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*17 - 150*
DCB Decachlorobiphenyl	*89*		*17 - 150*
Tetrachloro-m-xylene	*81*		*21 - 150*
Tetrachloro-m-xylene	*85*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319423-E-2-E MS
Matrix: Solid
Analysis Batch: 1019007

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0068	U	0.135	0.145		mg/Kg	☼	108	70 - 138
4,4'-DDD	0.0068	U	0.135	0.143		mg/Kg	☼	106	70 - 138
4,4'-DDE	0.0068	U	0.135	0.152		mg/Kg	☼	113	68 - 136
4,4'-DDE	0.0068	U	0.135	0.136		mg/Kg	☼	101	68 - 136
4,4'-DDT	0.0068	U	0.135	0.156		mg/Kg	☼	116	66 - 149
4,4'-DDT	0.0068	U	0.135	0.131		mg/Kg	☼	97	66 - 149
Aldrin	0.0068	U	0.135	0.147		mg/Kg	☼	109	69 - 136
Aldrin	0.0068	U	0.135	0.130		mg/Kg	☼	97	69 - 136
alpha-BHC	0.0020	U	0.135	0.150		mg/Kg	☼	112	72 - 134
alpha-BHC	0.0020	U	0.135	0.136		mg/Kg	☼	101	72 - 134
beta-BHC	0.0020	U	0.135	0.144		mg/Kg	☼	107	71 - 130
beta-BHC	0.0020	U	0.135	0.130		mg/Kg	☼	96	71 - 130
cis-Chlordane	0.0068	U	0.135	0.153		mg/Kg	☼	114	69 - 135
cis-Chlordane	0.0068	U	0.135	0.133		mg/Kg	☼	99	69 - 135
delta-BHC	0.0020	U	0.135	0.146		mg/Kg	☼	108	69 - 140
delta-BHC	0.0020	U	0.135	0.134		mg/Kg	☼	99	69 - 140
Dieldrin	0.0020	U	0.135	0.149		mg/Kg	☼	111	69 - 134
Dieldrin	0.0020	U	0.135	0.136		mg/Kg	☼	101	69 - 134
Endosulfan I	0.0068	U	0.135	0.150		mg/Kg	☼	112	69 - 133
Endosulfan I	0.0068	U	0.135	0.135		mg/Kg	☼	100	69 - 133
Endosulfan II	0.0068	U	0.135	0.144		mg/Kg	☼	107	71 - 137
Endosulfan II	0.0068	U	0.135	0.142		mg/Kg	☼	105	71 - 137
Endosulfan sulfate	0.0068	U	0.135	0.139		mg/Kg	☼	103	61 - 140
Endosulfan sulfate	0.0068	U	0.135	0.120		mg/Kg	☼	89	61 - 140
Endrin	0.0068	U	0.135	0.142		mg/Kg	☼	106	67 - 141
Endrin	0.0068	U	0.135	0.130		mg/Kg	☼	97	67 - 141
Endrin aldehyde	0.0068	U	0.135	0.127		mg/Kg	☼	94	71 - 136
Endrin aldehyde	0.0068	U	0.135	0.122		mg/Kg	☼	90	71 - 136
Endrin ketone	0.0068	U	0.135	0.138		mg/Kg	☼	103	60 - 146
Endrin ketone	0.0068	U	0.135	0.125		mg/Kg	☼	93	60 - 146
gamma-BHC (Lindane)	0.0020	U	0.135	0.150		mg/Kg	☼	111	72 - 139
gamma-BHC (Lindane)	0.0020	U	0.135	0.134		mg/Kg	☼	100	72 - 139
Heptachlor	0.0068	U	0.135	0.145		mg/Kg	☼	108	74 - 138
Heptachlor	0.0068	U	0.135	0.133		mg/Kg	☼	99	74 - 138
Heptachlor epoxide	0.0068	U	0.135	0.147		mg/Kg	☼	109	72 - 134
Heptachlor epoxide	0.0068	U	0.135	0.131		mg/Kg	☼	98	72 - 134
Methoxychlor	0.0068	U	0.135	0.170		mg/Kg	☼	126	60 - 150
Methoxychlor	0.0068	U	0.135	0.132		mg/Kg	☼	98	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*17 - 150*
DCB Decachlorobiphenyl	*79*		*17 - 150*
Tetrachloro-m-xylene	*81*		*21 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-319423-E-2-F MSD
Matrix: Solid
Analysis Batch: 1019007

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0068	U	0.135	0.145		mg/Kg	☼	108	70 - 138	0	30
4,4'-DDD	0.0068	U	0.135	0.144		mg/Kg	☼	107	70 - 138	1	30
4,4'-DDE	0.0068	U	0.135	0.152		mg/Kg	☼	113	68 - 136	0	30
4,4'-DDE	0.0068	U	0.135	0.137		mg/Kg	☼	102	68 - 136	1	30
4,4'-DDT	0.0068	U	0.135	0.156		mg/Kg	☼	116	66 - 149	0	30
4,4'-DDT	0.0068	U	0.135	0.132		mg/Kg	☼	98	66 - 149	1	30
Aldrin	0.0068	U	0.135	0.147		mg/Kg	☼	109	69 - 136	0	30
Aldrin	0.0068	U	0.135	0.131		mg/Kg	☼	97	69 - 136	1	30
alpha-BHC	0.0020	U	0.135	0.150		mg/Kg	☼	112	72 - 134	0	30
alpha-BHC	0.0020	U	0.135	0.137		mg/Kg	☼	102	72 - 134	1	30
beta-BHC	0.0020	U	0.135	0.146		mg/Kg	☼	108	71 - 130	1	30
beta-BHC	0.0020	U	0.135	0.131		mg/Kg	☼	97	71 - 130	1	30
cis-Chlordane	0.0068	U	0.135	0.154		mg/Kg	☼	114	69 - 135	0	30
cis-Chlordane	0.0068	U	0.135	0.135		mg/Kg	☼	100	69 - 135	1	30
delta-BHC	0.0020	U	0.135	0.147		mg/Kg	☼	109	69 - 140	0	30
delta-BHC	0.0020	U	0.135	0.136		mg/Kg	☼	101	69 - 140	1	30
Dieldrin	0.0020	U	0.135	0.149		mg/Kg	☼	110	69 - 134	0	30
Dieldrin	0.0020	U	0.135	0.137		mg/Kg	☼	102	69 - 134	1	30
Endosulfan I	0.0068	U	0.135	0.150		mg/Kg	☼	112	69 - 133	0	30
Endosulfan I	0.0068	U	0.135	0.136		mg/Kg	☼	101	69 - 133	1	30
Endosulfan II	0.0068	U	0.135	0.144		mg/Kg	☼	107	71 - 137	0	30
Endosulfan II	0.0068	U	0.135	0.144		mg/Kg	☼	107	71 - 137	2	30
Endosulfan sulfate	0.0068	U	0.135	0.139		mg/Kg	☼	103	61 - 140	0	30
Endosulfan sulfate	0.0068	U	0.135	0.122		mg/Kg	☼	90	61 - 140	1	30
Endrin	0.0068	U	0.135	0.142		mg/Kg	☼	106	67 - 141	0	30
Endrin	0.0068	U	0.135	0.131		mg/Kg	☼	98	67 - 141	1	30
Endrin aldehyde	0.0068	U	0.135	0.129		mg/Kg	☼	96	71 - 136	2	30
Endrin aldehyde	0.0068	U	0.135	0.125		mg/Kg	☼	93	71 - 136	3	30
Endrin ketone	0.0068	U	0.135	0.138		mg/Kg	☼	102	60 - 146	0	30
Endrin ketone	0.0068	U	0.135	0.127		mg/Kg	☼	94	60 - 146	1	30
gamma-BHC (Lindane)	0.0020	U	0.135	0.150		mg/Kg	☼	111	72 - 139	0	30
gamma-BHC (Lindane)	0.0020	U	0.135	0.135		mg/Kg	☼	100	72 - 139	1	30
Heptachlor	0.0068	U	0.135	0.146		mg/Kg	☼	109	74 - 138	1	30
Heptachlor	0.0068	U	0.135	0.133		mg/Kg	☼	99	74 - 138	0	30
Heptachlor epoxide	0.0068	U	0.135	0.147		mg/Kg	☼	109	72 - 134	0	30
Heptachlor epoxide	0.0068	U	0.135	0.132		mg/Kg	☼	98	72 - 134	1	30
Methoxychlor	0.0068	U	0.135	0.170		mg/Kg	☼	126	60 - 150	0	30
Methoxychlor	0.0068	U	0.135	0.134		mg/Kg	☼	100	60 - 150	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*17 - 150*
DCB Decachlorobiphenyl	*83*		*17 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*
Tetrachloro-m-xylene	*85*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1018837/1-A
Matrix: Solid
Analysis Batch: 1018917

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018837

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/30/25 16:01	01/31/25 08:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*01/30/25 16:01*	*01/31/25 08:04*	*1*
DCB Decachlorobiphenyl	*92*		*20 - 150*	*01/30/25 16:01*	*01/31/25 08:04*	*1*
Tetrachloro-m-xylene	*85*		*20 - 150*	*01/30/25 16:01*	*01/31/25 08:04*	*1*
Tetrachloro-m-xylene	*85*		*20 - 150*	*01/30/25 16:01*	*01/31/25 08:04*	*1*

Lab Sample ID: LCS 460-1018837/2-A
Matrix: Solid
Analysis Batch: 1018917

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.307		mg/Kg		92	54 - 136
Aroclor 1016	0.333	0.305		mg/Kg		92	54 - 136
Aroclor 1260	0.333	0.308		mg/Kg		92	53 - 145
Aroclor 1260	0.333	0.334		mg/Kg		100	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*89*		*20 - 150*
DCB Decachlorobiphenyl	*90*		*20 - 150*
Tetrachloro-m-xylene	*84*		*20 - 150*
Tetrachloro-m-xylene	*87*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1018837/3-A
Matrix: Solid
Analysis Batch: 1018917

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018837

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.348		mg/Kg		104	54 - 136	12	30
Aroclor 1016			0.333	0.342		mg/Kg		103	54 - 136	12	30
Aroclor 1260			0.333	0.359		mg/Kg		108	53 - 145	15	30
Aroclor 1260			0.333	0.376		mg/Kg		113	53 - 145	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*136*		*20 - 150*
DCB Decachlorobiphenyl	*138*		*20 - 150*
Tetrachloro-m-xylene	*126*		*20 - 150*
Tetrachloro-m-xylene	*125*		*20 - 150*

Lab Sample ID: 460-319044-E-1-F MS
Matrix: Solid
Analysis Batch: 1018917

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.068	U	0.338	0.337		mg/Kg	☼	100	54 - 136
Aroclor 1016	0.068	U	0.338	0.370		mg/Kg	☼	109	54 - 136
Aroclor 1260	0.068	U	0.338	0.367		mg/Kg	☼	108	53 - 145
Aroclor 1260	0.068	U	0.338	0.330		mg/Kg	☼	98	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*20 - 150*
DCB Decachlorobiphenyl	*124*		*20 - 150*
Tetrachloro-m-xylene	*95*		*20 - 150*
Tetrachloro-m-xylene	*95*		*20 - 150*

Lab Sample ID: 460-319044-E-1-G MSD
Matrix: Solid
Analysis Batch: 1018917

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.068	U	0.339	0.360		mg/Kg	☼	106	54 - 136	3	30
Aroclor 1016	0.068	U	0.339	0.319		mg/Kg	☼	94	54 - 136	5	30
Aroclor 1260	0.068	U	0.339	0.354		mg/Kg	☼	104	53 - 145	7	30
Aroclor 1260	0.068	U	0.339	0.386		mg/Kg	☼	114	53 - 145	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*122*		*20 - 150*
DCB Decachlorobiphenyl	*106*		*20 - 150*
Tetrachloro-m-xylene	*98*		*20 - 150*
Tetrachloro-m-xylene	*99*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1018937/1-A
Matrix: Solid
Analysis Batch: 1019020

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018937

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		01/31/25 06:44	01/31/25 16:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*01/31/25 06:44*	*01/31/25 16:42*	*1*
DCB Decachlorobiphenyl	*100*		*20 - 150*	*01/31/25 06:44*	*01/31/25 16:42*	*1*
Tetrachloro-m-xylene	*87*		*20 - 150*	*01/31/25 06:44*	*01/31/25 16:42*	*1*
Tetrachloro-m-xylene	*90*		*20 - 150*	*01/31/25 06:44*	*01/31/25 16:42*	*1*

Lab Sample ID: LCS 460-1018937/2-A
Matrix: Solid
Analysis Batch: 1019020

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018937

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.327		mg/Kg		98	54 - 136
Aroclor 1016	0.333	0.314		mg/Kg		94	54 - 136
Aroclor 1260	0.333	0.344		mg/Kg		103	53 - 145
Aroclor 1260	0.333	0.334		mg/Kg		100	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*20 - 150*
DCB Decachlorobiphenyl	*101*		*20 - 150*
Tetrachloro-m-xylene	*90*		*20 - 150*
Tetrachloro-m-xylene	*91*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1018937/3-A
Matrix: Solid
Analysis Batch: 1019020

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1018937

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.332		mg/Kg		100	54 - 136	2	30
Aroclor 1016			0.333	0.331		mg/Kg		99	54 - 136	5	30
Aroclor 1260			0.333	0.336		mg/Kg		101	53 - 145	2	30
Aroclor 1260			0.333	0.341		mg/Kg		102	53 - 145	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*20 - 150*
DCB Decachlorobiphenyl	*103*		*20 - 150*
Tetrachloro-m-xylene	*91*		*20 - 150*
Tetrachloro-m-xylene	*96*		*20 - 150*

Lab Sample ID: 460-319423-E-2-H MS
Matrix: Solid
Analysis Batch: 1019020

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.068	U	0.337	0.322		mg/Kg	☼	96	54 - 136
Aroclor 1016	0.068	U	0.337	0.334		mg/Kg	☼	99	54 - 136
Aroclor 1260	0.068	U	0.337	0.315		mg/Kg	☼	94	53 - 145
Aroclor 1260	0.068	U	0.337	0.325		mg/Kg	☼	96	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*20 - 150*
DCB Decachlorobiphenyl	*99*		*20 - 150*
Tetrachloro-m-xylene	*83*		*20 - 150*
Tetrachloro-m-xylene	*90*		*20 - 150*

Lab Sample ID: 460-319423-E-2-I MSD
Matrix: Solid
Analysis Batch: 1019020

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1018937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.068	U	0.337	0.322		mg/Kg	☼	96	54 - 136	0	30
Aroclor 1016	0.068	U	0.337	0.325		mg/Kg	☼	97	54 - 136	3	30
Aroclor 1260	0.068	U	0.337	0.319		mg/Kg	☼	95	53 - 145	1	30
Aroclor 1260	0.068	U	0.337	0.319		mg/Kg	☼	95	53 - 145	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*20 - 150*
DCB Decachlorobiphenyl	*98*		*20 - 150*
Tetrachloro-m-xylene	*85*		*20 - 150*
Tetrachloro-m-xylene	*89*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-643130/1-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		01/30/25 14:32	01/31/25 19:49	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-643130/1-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643130

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		01/30/25 14:32	01/31/25 19:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		01/30/25 14:32	01/31/25 19:49	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C5 PFPeA	*95.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C5 PFHxA	*93.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C4 PFHpA	*95.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C8 PFOA	*93.2*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C9 PFNA	*98.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C6 PFDA	*94.8*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C7 PFUnA	*83.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C2 PFTeDA	*76.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C3 PFBS	*92.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C3 PFHxS	*91.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C8 PFOS	*92.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C8 FOSA	*88.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d3-NMeFOSAA	*87.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d5-NEtFOSAA	*114*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
M2-4:2 FTS	*96.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
M2-6:2 FTS	*96.6*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
M2-8:2 FTS	*87.3*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C3 HFPO-DA	*97.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d7-N-MeFOSE-M	*64.1*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d9-N-EtFOSE-M	*58.7*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d5-NEtPFOSA	*60.0*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
d3-NMePFOSA	*62.9*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*
13C2-PFDoDA	*82.5*		*20 - 150*	*01/30/25 14:32*	*01/31/25 19:49*	*1*

Lab Sample ID: LCS 240-643130/3-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.643		ug/Kg		106	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.228		ug/Kg		103	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.781		ug/Kg		114	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.646		ug/Kg		105	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.685		ug/Kg		108	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.541		ug/Kg		99	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.659		ug/Kg		106	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643130/3-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	1.56	1.690		ug/Kg		108	40 - 150
Perfluorododecanoic acid (PFDoA)	1.56	1.669		ug/Kg		107	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.649		ug/Kg		106	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.767		ug/Kg		113	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.492		ug/Kg		108	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.674		ug/Kg		114	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.554		ug/Kg		109	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.575		ug/Kg		106	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.516		ug/Kg		104	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.650		ug/Kg		110	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.509		ug/Kg		100	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.424		ug/Kg		110	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	6.081		ug/Kg		102	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.278		ug/Kg		105	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.701		ug/Kg		109	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.802		ug/Kg		115	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.822		ug/Kg		117	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.765		ug/Kg		113	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.788		ug/Kg		114	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	17.65		ug/Kg		113	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	16.39		ug/Kg		105	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.913		ug/Kg		111	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.287		ug/Kg		106	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.168		ug/Kg		101	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.756		ug/Kg		120	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	6.112		ug/Kg		105	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	6.190		ug/Kg		105	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	3.313		ug/Kg		119	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643130/3-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	7.866		ug/Kg		101	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	44.13		ug/Kg		113	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	40.93		ug/Kg		105	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.641		ug/Kg		109	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.320		ug/Kg		106	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*89.2*		*20 - 150*
13C5 PFPeA	*94.0*		*20 - 150*
13C5 PFHxA	*84.8*		*20 - 150*
13C4 PFHpA	*91.8*		*20 - 150*
13C8 PFOA	*88.1*		*20 - 150*
13C9 PFNA	*98.8*		*20 - 150*
13C6 PFDA	*89.9*		*20 - 150*
13C7 PFUnA	*84.5*		*20 - 150*
13C2 PFTeDA	*74.9*		*20 - 150*
13C3 PFBS	*90.7*		*20 - 150*
13C3 PFHxS	*85.9*		*20 - 150*
13C8 PFOS	*87.7*		*20 - 150*
13C8 FOSA	*85.0*		*20 - 150*
d3-NMeFOSAA	*82.1*		*20 - 150*
d5-NEtFOSAA	*96.6*		*20 - 150*
M2-4:2 FTS	*86.1*		*20 - 150*
M2-6:2 FTS	*88.7*		*20 - 150*
M2-8:2 FTS	*87.8*		*20 - 150*
13C3 HFPO-DA	*93.5*		*20 - 150*
d7-N-MeFOSE-M	*63.6*		*20 - 150*
d9-N-EtFOSE-M	*58.8*		*20 - 150*
d5-NEtPFOSA	*56.1*		*20 - 150*
d3-NMePFOSA	*57.5*		*20 - 150*
13C2-PFDoDA	*81.5*		*20 - 150*

Lab Sample ID: LLCS 240-643130/2-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.558		ug/Kg		112	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.269		ug/Kg		107	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.137		ug/Kg		109	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.136		ug/Kg		109	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.146		ug/Kg		117	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.122	J	ug/Kg		98	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.137		ug/Kg		110	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643130/2-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.125	0.140		ug/Kg		112	40 - 150
Perfluorododecanoic acid (PFDoA)	0.125	0.131		ug/Kg		105	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.140		ug/Kg		112	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.144		ug/Kg		115	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.120	J	ug/Kg		108	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.133		ug/Kg		113	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.127	J	ug/Kg		112	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.127	J	ug/Kg		107	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.143		ug/Kg		123	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.135		ug/Kg		112	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.123	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.524		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.482	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.499	J	ug/Kg		104	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.135		ug/Kg		108	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.138		ug/Kg		110	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.139		ug/Kg		112	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.145		ug/Kg		116	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.142		ug/Kg		113	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.440		ug/Kg		115	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.379		ug/Kg		110	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.558		ug/Kg		112	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.521		ug/Kg		110	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.258		ug/Kg		103	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.286		ug/Kg		114	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.492	J	ug/Kg		105	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.506		ug/Kg		107	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.251		ug/Kg		112	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643130/2-A
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.630		ug/Kg		101	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.373		ug/Kg		108	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	3.084	J	ug/Kg		99	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.133		ug/Kg		111	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.263		ug/Kg		105	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*89.6*		*20 - 150*
13C5 PFPeA	*99.3*		*20 - 150*
13C5 PFHxA	*95.7*		*20 - 150*
13C4 PFHpA	*96.1*		*20 - 150*
13C8 PFOA	*89.4*		*20 - 150*
13C9 PFNA	*103*		*20 - 150*
13C6 PFDA	*90.1*		*20 - 150*
13C7 PFUnA	*83.7*		*20 - 150*
13C2 PFTeDA	*79.4*		*20 - 150*
13C3 PFBS	*93.6*		*20 - 150*
13C3 PFHxS	*92.0*		*20 - 150*
13C8 PFOS	*90.2*		*20 - 150*
13C8 FOSA	*86.3*		*20 - 150*
d3-NMeFOSAA	*85.7*		*20 - 150*
d5-NEtFOSAA	*114*		*20 - 150*
M2-4:2 FTS	*94.4*		*20 - 150*
M2-6:2 FTS	*89.7*		*20 - 150*
M2-8:2 FTS	*89.5*		*20 - 150*
13C3 HFPO-DA	*96.9*		*20 - 150*
d7-N-MeFOSE-M	*71.5*		*20 - 150*
d9-N-EtFOSE-M	*69.4*		*20 - 150*
d5-NEtPFOSA	*54.2*		*20 - 150*
d3-NMePFOSA	*58.7*		*20 - 150*
13C2-PFDoDA	*81.6*		*20 - 150*

Lab Sample ID: 460-319466-A-5-B DU
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.53	U	0.54	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanoic acid (PFOA)	0.037	J	0.0464	J	ug/Kg	☼	23	30
Perfluorononanoic acid (PFNA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorodecanoic acid (PFDA)	0.13	U	0.14	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319466-A-5-B DU
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanoic acid (PFDoA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.040	J	0.0480	J	ug/Kg	☼	19	30
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.54	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.54	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.53	U	0.54	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.33	U	1.35	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.33	U	1.35	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.54	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.54	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.54	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.54	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319466-A-5-B DU
Matrix: Solid
Analysis Batch: 643254

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 643130

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U		0.68	U	ug/Kg	☼			NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.34	U		3.39	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.34	U		3.39	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.13	U		0.14	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U		0.27	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*89.0*		*20 - 150*
13C5 PFPeA	*91.9*		*20 - 150*
13C5 PFHxA	*91.4*		*20 - 150*
13C4 PFHpA	*91.9*		*20 - 150*
13C8 PFOA	*88.3*		*20 - 150*
13C9 PFNA	*99.5*		*20 - 150*
13C6 PFDA	*90.2*		*20 - 150*
13C7 PFUnA	*89.0*		*20 - 150*
13C2 PFTeDA	*62.3*		*20 - 150*
13C3 PFBS	*84.0*		*20 - 150*
13C3 PFHxS	*85.4*		*20 - 150*
13C8 PFOS	*82.1*		*20 - 150*
13C8 FOSA	*83.8*		*20 - 150*
d3-NMeFOSAA	*81.2*		*20 - 150*
d5-NEtFOSAA	*105*		*20 - 150*
M2-4:2 FTS	*103*		*20 - 150*
M2-6:2 FTS	*92.5*		*20 - 150*
M2-8:2 FTS	*85.7*		*20 - 150*
13C3 HFPO-DA	*90.9*		*20 - 150*
d7-N-MeFOSE-M	*71.8*		*20 - 150*
d9-N-EtFOSE-M	*68.6*		*20 - 150*
d5-NEtPFOSA	*61.1*		*20 - 150*
d3-NMePFOSA	*68.7*		*20 - 150*
13C2-PFDoDA	*81.9*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1019262/1-A
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Antimony	1.0	U	1.0	0.15	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Barium	2.0	U	2.0	0.15	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		02/03/25 06:12	02/03/25 12:33	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1019262/1-A
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100	U	100	40.7	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Chromium	2.0	U	2.0	0.91	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Copper	2.0	U	2.0	0.37	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Iron	60.0	U	60.0	20.2	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Lead	0.60	U	0.60	0.20	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Magnesium	100	U	100	10.2	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Manganese	4.0	U	4.0	0.40	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Nickel	2.0	U	2.0	0.47	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Potassium	100	U	100	16.2	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Selenium	1.3	U	1.3	0.13	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Silver	0.40	U	0.40	0.089	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Sodium	100	U	100	45.7	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Thallium	0.40	U	0.40	0.041	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		02/03/25 06:12	02/03/25 12:33	1
Zinc	8.0	U	8.0	3.1	mg/Kg		02/03/25 06:12	02/03/25 12:33	1

Lab Sample ID: LCSSRM 460-1019262/2-A ^3
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5940	4741		mg/Kg		79.8	46.1 - 153.9
Antimony	121	67.13		mg/Kg		55.5	0.1 - 200.8
Arsenic	242	220.0		mg/Kg		90.9	81.8 - 118.6
Barium	295	264.3		mg/Kg		89.6	81.7 - 118.3
Beryllium	160	151.8		mg/Kg		94.9	82.5 - 117.5
Cadmium	84.3	76.11		mg/Kg		90.3	82.2 - 117.8
Calcium	5270	4738		mg/Kg		89.9	82.5 - 117.5
Chromium	213	201.2		mg/Kg		94.4	81.2 - 119.2
Cobalt	137	128.3		mg/Kg		93.7	83.2 - 117.5
Copper	195	184.0		mg/Kg		94.3	83.1 - 116.9
Iron	6650	5306		mg/Kg		79.8	58.6 - 141.5
Lead	194	178.8		mg/Kg		92.1	82.0 - 118.6
Magnesium	1860	1600		mg/Kg		86.0	75.3 - 124.2
Manganese	264	232.1		mg/Kg		87.9	80.7 - 118.9
Nickel	298	281.8		mg/Kg		94.6	82.2 - 117.8

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1019262/2-A ^3
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	2010	1778		mg/Kg		88.5	70.6 - 129.4
Selenium	272	243.9		mg/Kg		89.7	80.1 - 119.5
Silver	76.7	70.65		mg/Kg		92.1	79.5 - 120.5
Sodium	406	379.1		mg/Kg		93.4	74.9 - 124.9
Thallium	108	106.9		mg/Kg		99.0	80.0 - 119.4
Vanadium	169	154.5		mg/Kg		91.4	78.1 - 122.5
Zinc	236	214.0		mg/Kg		90.7	80.1 - 120.3

Lab Sample ID: 460-319407-18 MS
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: 16A_0-5
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	4630		536	5381	4	mg/Kg	☼	140	75 - 125
Antimony	0.58	J	5.36	3.06	N	mg/Kg	☼	46	75 - 125
Arsenic	7.0		10.7	17.62		mg/Kg	☼	99	75 - 125
Barium	30.6		10.7	37.67	N	mg/Kg	☼	66	75 - 125
Beryllium	1.5		5.36	5.93		mg/Kg	☼	82	75 - 125
Cadmium	0.19	J	5.36	4.49		mg/Kg	☼	80	75 - 125
Calcium	3080		536	1830	4	mg/Kg	☼	-233	75 - 125
Chromium	22.2		10.7	35.77	N	mg/Kg	☼	127	75 - 125
Cobalt	5.3		5.36	9.57		mg/Kg	☼	79	75 - 125
Copper	63.9		10.7	67.00	4	mg/Kg	☼	29	75 - 125
Iron	15500		536	17100	4	mg/Kg	☼	298	75 - 125
Lead	114		5.36	95.39	4	mg/Kg	☼	-345	75 - 125
Magnesium	2680		536	1993	4	mg/Kg	☼	-128	75 - 125
Manganese	97.1		53.6	135.7	N	mg/Kg	☼	72	75 - 125
Nickel	24.2		10.7	27.30	N	mg/Kg	☼	29	75 - 125
Potassium	598		536	1114		mg/Kg	☼	96	75 - 125
Selenium	0.37	J	10.7	9.07		mg/Kg	☼	81	75 - 125
Silver	0.23	J	5.36	4.76		mg/Kg	☼	84	75 - 125
Sodium	58.0	J	536	514.5		mg/Kg	☼	85	75 - 125
Thallium	0.062	J	4.29	3.59		mg/Kg	☼	82	75 - 125
Vanadium	19.3		10.7	28.04		mg/Kg	☼	82	75 - 125
Zinc	206		53.6	237.1	N	mg/Kg	☼	59	75 - 125

Lab Sample ID: 460-319407-18 DU
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: 16A_0-5
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	4630		3899		mg/Kg	☼	17	20
Antimony	0.58	J	0.480	J	mg/Kg	☼	19	20
Arsenic	7.0		6.82		mg/Kg	☼	3	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319407-18 DU
Matrix: Solid
Analysis Batch: 1019373

Client Sample ID: 16A_0-5
Prep Type: Total/NA
Prep Batch: 1019262

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	30.6		23.57	*	mg/Kg	☼	26	20
Beryllium	1.5		0.928	*	mg/Kg	☼	48	20
Cadmium	0.19	J	0.158	J	mg/Kg	☼	20	20
Calcium	3080		1742	*	mg/Kg	☼	55	20
Chromium	22.2		22.02		mg/Kg	☼	0.8	20
Cobalt	5.3		4.86		mg/Kg	☼	9	20
Copper	63.9		48.17	*	mg/Kg	☼	28	20
Iron	15500		15890		mg/Kg	☼	2	20
Lead	114		66.63	*	mg/Kg	☼	52	20
Magnesium	2680		1650	*	mg/Kg	☼	47	20
Manganese	97.1		71.67	*	mg/Kg	☼	30	20
Nickel	24.2		18.03	*	mg/Kg	☼	29	20
Potassium	598		569.5		mg/Kg	☼	5	20
Selenium	0.37	J	0.365	J	mg/Kg	☼	2	20
Silver	0.23	J	0.152	J	mg/Kg	☼	42	20
Sodium	58.0	J	107	U	mg/Kg	☼	NC	20
Thallium	0.062	J	0.0469	J	mg/Kg	☼	28	20
Vanadium	19.3		18.63		mg/Kg	☼	3	20
Zinc	206		125.2	*	mg/Kg	☼	49	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1018686/1-A
Matrix: Solid
Analysis Batch: 1018731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1018686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		01/30/25 01:11	01/30/25 07:04	1

Lab Sample ID: LCSSRM 460-1018686/2-A ^40
Matrix: Solid
Analysis Batch: 1018731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1018686

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	23.97		mg/Kg		105.1	70.6 - 129.4

Lab Sample ID: 460-319476-A-5-C MS
Matrix: Solid
Analysis Batch: 1018731

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1018686

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.028	J	0.140	0.307	N	mg/Kg	☼	200	80 - 120

Lab Sample ID: 460-319476-A-5-B DU
Matrix: Solid
Analysis Batch: 1018731

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1018686

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.028	J	0.0322		mg/Kg	☼	14	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319407-10 DU
Matrix: Solid
Analysis Batch: 1018719

Client Sample ID: 16J3_5-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	1.6			3.4	*	%				72	20
Percent Solids	98.4			96.6		%				2	20

Lab Sample ID: 460-319659-A-46 DU
Matrix: Solid
Analysis Batch: 1019183

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	38.5			32.7		%				16	20
Percent Solids	61.5			67.3		%				9	20

GC/MS VOA

Prep Batch: 1018458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-1	16C3_3-4	Total/NA	Solid	5035	
460-319407-2	16C3_8-9	Total/NA	Solid	5035	
460-319407-3	16C2_2-3	Total/NA	Solid	5035	
460-319407-4	16C2_6-7	Total/NA	Solid	5035	
460-319407-5	16C2_0-1	Total/NA	Solid	5035	
460-319407-6	16C1_1-2	Total/NA	Solid	5035	
460-319407-7	16C1_7-8	Total/NA	Solid	5035	
460-319407-8	16B2_1-2	Total/NA	Solid	5035	
460-319407-9	16B3_7-8	Total/NA	Solid	5035	
460-319407-10	16J3_5-6	Total/NA	Solid	5035	
460-319407-11	16J1_3-4	Total/NA	Solid	5035	
460-319407-12	16A2_2-3	Total/NA	Solid	5035	
460-319407-13	16A3_9-10	Total/NA	Solid	5035	
460-319407-14	12A1-7-8	Total/NA	Solid	5035	
460-319407-15	12A2-4-5	Total/NA	Solid	5035	

Analysis Batch: 1018846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-1	16C3_3-4	Total/NA	Solid	8260D	1018458
460-319407-2	16C3_8-9	Total/NA	Solid	8260D	1018458
460-319407-3	16C2_2-3	Total/NA	Solid	8260D	1018458
460-319407-4	16C2_6-7	Total/NA	Solid	8260D	1018458
460-319407-5	16C2_0-1	Total/NA	Solid	8260D	1018458
460-319407-6	16C1_1-2	Total/NA	Solid	8260D	1018458
460-319407-7	16C1_7-8	Total/NA	Solid	8260D	1018458
460-319407-8	16B2_1-2	Total/NA	Solid	8260D	1018458
460-319407-9	16B3_7-8	Total/NA	Solid	8260D	1018458
460-319407-10	16J3_5-6	Total/NA	Solid	8260D	1018458
MB 460-1018846/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018846/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018846/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1018946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-11	16J1_3-4	Total/NA	Solid	8260D	1018458
460-319407-12	16A2_2-3	Total/NA	Solid	8260D	1018458
460-319407-13	16A3_9-10	Total/NA	Solid	8260D	1018458
460-319407-14	12A1-7-8	Total/NA	Solid	8260D	1018458
460-319407-15	12A2-4-5	Total/NA	Solid	8260D	1018458
MB 460-1018946/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018946/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018946/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS Semi VOA

Prep Batch: 1018870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	3546	
460-319407-17	12A_5-10	Total/NA	Solid	3546	
460-319407-18	16A_0-5	Total/NA	Solid	3546	
MB 460-1018870/1-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 1018870 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-1018870/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018870/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319530-E-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-319530-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	8270E	1018870
460-319407-17	12A_5-10	Total/NA	Solid	8270E	1018870
460-319407-18	16A_0-5	Total/NA	Solid	8270E	1018870
MB 460-1018870/1-A	Method Blank	Total/NA	Solid	8270E	1018870
LCS 460-1018870/2-A	Lab Control Sample	Total/NA	Solid	8270E	1018870
LCSD 460-1018870/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1018870
460-319530-E-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1018870
460-319530-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1018870

Prep Batch: 1019077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-19	16A_5-10	Total/NA	Solid	3546	
460-319407-20	16B_0-5	Total/NA	Solid	3546	
460-319407-21	16B_5-10	Total/NA	Solid	3546	
460-319407-22	16C_0-5	Total/NA	Solid	3546	
460-319407-23	16C_5-10	Total/NA	Solid	3546	
460-319407-24	16J_0-5	Total/NA	Solid	3546	
460-319407-25	16J_5-10	Total/NA	Solid	3546	
MB 460-1019077/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1019077/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1019077/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319407-19 MS	16A_5-10	Total/NA	Solid	3546	
460-319407-19 MSD	16A_5-10	Total/NA	Solid	3546	

Analysis Batch: 1019143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-19	16A_5-10	Total/NA	Solid	8270E	1019077
460-319407-20	16B_0-5	Total/NA	Solid	8270E	1019077
460-319407-21	16B_5-10	Total/NA	Solid	8270E	1019077
460-319407-22	16C_0-5	Total/NA	Solid	8270E	1019077
460-319407-23	16C_5-10	Total/NA	Solid	8270E	1019077
460-319407-24	16J_0-5	Total/NA	Solid	8270E	1019077
460-319407-25	16J_5-10	Total/NA	Solid	8270E	1019077
MB 460-1019077/1-A	Method Blank	Total/NA	Solid	8270E	1019077
LCS 460-1019077/2-A	Lab Control Sample	Total/NA	Solid	8270E	1019077
LCSD 460-1019077/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1019077
460-319407-19 MS	16A_5-10	Total/NA	Solid	8270E	1019077
460-319407-19 MSD	16A_5-10	Total/NA	Solid	8270E	1019077

GC Semi VOA

Prep Batch: 1018837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1018837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-17	12A_5-10	Total/NA	Solid	3546	
460-319407-18	16A_0-5	Total/NA	Solid	3546	
460-319407-19	16A_5-10	Total/NA	Solid	3546	
460-319407-20	16B_0-5	Total/NA	Solid	3546	
460-319407-21	16B_5-10	Total/NA	Solid	3546	
MB 460-1018837/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018837/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018837/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319044-E-1-F MS	Matrix Spike	Total/NA	Solid	3546	
460-319044-E-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1018848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	3546	
460-319407-17	12A_5-10	Total/NA	Solid	3546	
460-319407-18	16A_0-5	Total/NA	Solid	3546	
460-319407-19	16A_5-10	Total/NA	Solid	3546	
460-319407-20	16B_0-5	Total/NA	Solid	3546	
460-319407-21	16B_5-10	Total/NA	Solid	3546	
MB 460-1018848/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018848/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018848/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319044-E-1-I MS	Matrix Spike	Total/NA	Solid	3546	
460-319044-E-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1018892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-17	12A_5-10	Total/NA	Solid	8081B	1018848
460-319407-18	16A_0-5	Total/NA	Solid	8081B	1018848
460-319407-19	16A_5-10	Total/NA	Solid	8081B	1018848
460-319407-20	16B_0-5	Total/NA	Solid	8081B	1018848

Analysis Batch: 1018895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	8081B	1018848
460-319407-21	16B_5-10	Total/NA	Solid	8081B	1018848
MB 460-1018848/1-A	Method Blank	Total/NA	Solid	8081B	1018848
LCS 460-1018848/2-A	Lab Control Sample	Total/NA	Solid	8081B	1018848
LCSD 460-1018848/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1018848
460-319044-E-1-I MS	Matrix Spike	Total/NA	Solid	8081B	1018848
460-319044-E-1-J MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1018848

Analysis Batch: 1018917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	8082A	1018837
460-319407-17	12A_5-10	Total/NA	Solid	8082A	1018837
460-319407-18	16A_0-5	Total/NA	Solid	8082A	1018837
460-319407-19	16A_5-10	Total/NA	Solid	8082A	1018837
460-319407-20	16B_0-5	Total/NA	Solid	8082A	1018837
460-319407-21	16B_5-10	Total/NA	Solid	8082A	1018837
MB 460-1018837/1-A	Method Blank	Total/NA	Solid	8082A	1018837

GC Semi VOA (Continued)

Analysis Batch: 1018917 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-1018837/2-A	Lab Control Sample	Total/NA	Solid	8082A	1018837
LCSD 460-1018837/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1018837
460-319044-E-1-F MS	Matrix Spike	Total/NA	Solid	8082A	1018837
460-319044-E-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1018837

Prep Batch: 1018936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-22	16C_0-5	Total/NA	Solid	3546	
460-319407-23	16C_5-10	Total/NA	Solid	3546	
460-319407-24	16J_0-5	Total/NA	Solid	3546	
460-319407-25	16J_5-10	Total/NA	Solid	3546	
MB 460-1018936/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018936/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018936/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319423-E-2-E MS	Matrix Spike	Total/NA	Solid	3546	
460-319423-E-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1018937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-22	16C_0-5	Total/NA	Solid	3546	
460-319407-23	16C_5-10	Total/NA	Solid	3546	
460-319407-24	16J_0-5	Total/NA	Solid	3546	
460-319407-25	16J_5-10	Total/NA	Solid	3546	
MB 460-1018937/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1018937/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1018937/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319423-E-2-H MS	Matrix Spike	Total/NA	Solid	3546	
460-319423-E-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1019007

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-22	16C_0-5	Total/NA	Solid	8081B	1018936
460-319407-23	16C_5-10	Total/NA	Solid	8081B	1018936
460-319407-24	16J_0-5	Total/NA	Solid	8081B	1018936
460-319407-25	16J_5-10	Total/NA	Solid	8081B	1018936
MB 460-1018936/1-A	Method Blank	Total/NA	Solid	8081B	1018936
LCS 460-1018936/2-A	Lab Control Sample	Total/NA	Solid	8081B	1018936
LCSD 460-1018936/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1018936
460-319423-E-2-E MS	Matrix Spike	Total/NA	Solid	8081B	1018936
460-319423-E-2-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1018936

Analysis Batch: 1019020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1018937/1-A	Method Blank	Total/NA	Solid	8082A	1018937
LCS 460-1018937/2-A	Lab Control Sample	Total/NA	Solid	8082A	1018937
LCSD 460-1018937/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1018937
460-319423-E-2-H MS	Matrix Spike	Total/NA	Solid	8082A	1018937
460-319423-E-2-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1018937

GC Semi VOA

Analysis Batch: 1019029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-22	16C_0-5	Total/NA	Solid	8082A	1018937
460-319407-23	16C_5-10	Total/NA	Solid	8082A	1018937
460-319407-24	16J_0-5	Total/NA	Solid	8082A	1018937
460-319407-25	16J_5-10	Total/NA	Solid	8082A	1018937

LCMS

Prep Batch: 643130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	1633 Shake	
460-319407-17	12A_5-10	Total/NA	Solid	1633 Shake	
460-319407-18	16A_0-5	Total/NA	Solid	1633 Shake	
460-319407-19	16A_5-10	Total/NA	Solid	1633 Shake	
460-319407-20	16B_0-5	Total/NA	Solid	1633 Shake	
460-319407-21	16B_5-10	Total/NA	Solid	1633 Shake	
460-319407-22	16C_0-5	Total/NA	Solid	1633 Shake	
460-319407-23	16C_5-10	Total/NA	Solid	1633 Shake	
460-319407-24	16J_0-5	Total/NA	Solid	1633 Shake	
460-319407-25	16J_5-10	Total/NA	Solid	1633 Shake	
MB 240-643130/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-643130/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-643130/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-319466-A-5-B DU	Duplicate	Total/NA	Solid	1633 Shake	

Analysis Batch: 643254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	1633	643130
460-319407-17	12A_5-10	Total/NA	Solid	1633	643130
460-319407-18	16A_0-5	Total/NA	Solid	1633	643130
460-319407-19	16A_5-10	Total/NA	Solid	1633	643130
460-319407-20	16B_0-5	Total/NA	Solid	1633	643130
460-319407-21	16B_5-10	Total/NA	Solid	1633	643130
460-319407-22	16C_0-5	Total/NA	Solid	1633	643130
460-319407-23	16C_5-10	Total/NA	Solid	1633	643130
460-319407-24	16J_0-5	Total/NA	Solid	1633	643130
460-319407-25	16J_5-10	Total/NA	Solid	1633	643130
MB 240-643130/1-A	Method Blank	Total/NA	Solid	1633	643130
LCS 240-643130/3-A	Lab Control Sample	Total/NA	Solid	1633	643130
LLCS 240-643130/2-A	Lab Control Sample	Total/NA	Solid	1633	643130
460-319466-A-5-B DU	Duplicate	Total/NA	Solid	1633	643130

Metals

Prep Batch: 1018686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	7471B	
460-319407-17	12A_5-10	Total/NA	Solid	7471B	
460-319407-18	16A_0-5	Total/NA	Solid	7471B	
460-319407-19	16A_5-10	Total/NA	Solid	7471B	
460-319407-20	16B_0-5	Total/NA	Solid	7471B	
460-319407-21	16B_5-10	Total/NA	Solid	7471B	
460-319407-22	16C_0-5	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 1018686 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-23	16C_5-10	Total/NA	Solid	7471B	
460-319407-24	16J_0-5	Total/NA	Solid	7471B	
460-319407-25	16J_5-10	Total/NA	Solid	7471B	
MB 460-1018686/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1018686/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-319476-A-5-C MS	Matrix Spike	Total/NA	Solid	7471B	
460-319476-A-5-B DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1018731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	7471B	1018686
460-319407-17	12A_5-10	Total/NA	Solid	7471B	1018686
460-319407-18	16A_0-5	Total/NA	Solid	7471B	1018686
460-319407-19	16A_5-10	Total/NA	Solid	7471B	1018686
460-319407-20	16B_0-5	Total/NA	Solid	7471B	1018686
460-319407-21	16B_5-10	Total/NA	Solid	7471B	1018686
460-319407-22	16C_0-5	Total/NA	Solid	7471B	1018686
460-319407-23	16C_5-10	Total/NA	Solid	7471B	1018686
460-319407-24	16J_0-5	Total/NA	Solid	7471B	1018686
460-319407-25	16J_5-10	Total/NA	Solid	7471B	1018686
MB 460-1018686/1-A	Method Blank	Total/NA	Solid	7471B	1018686
LCSSRM 460-1018686/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1018686
460-319476-A-5-C MS	Matrix Spike	Total/NA	Solid	7471B	1018686
460-319476-A-5-B DU	Duplicate	Total/NA	Solid	7471B	1018686

Prep Batch: 1019262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	3050B	
460-319407-17	12A_5-10	Total/NA	Solid	3050B	
460-319407-18	16A_0-5	Total/NA	Solid	3050B	
460-319407-19	16A_5-10	Total/NA	Solid	3050B	
460-319407-20	16B_0-5	Total/NA	Solid	3050B	
460-319407-21	16B_5-10	Total/NA	Solid	3050B	
460-319407-22	16C_0-5	Total/NA	Solid	3050B	
460-319407-23	16C_5-10	Total/NA	Solid	3050B	
460-319407-24	16J_0-5	Total/NA	Solid	3050B	
460-319407-25	16J_5-10	Total/NA	Solid	3050B	
MB 460-1019262/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1019262/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-319407-18 MS	16A_0-5	Total/NA	Solid	3050B	
460-319407-18 DU	16A_0-5	Total/NA	Solid	3050B	

Analysis Batch: 1019373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	6020B	1019262
460-319407-17	12A_5-10	Total/NA	Solid	6020B	1019262
460-319407-18	16A_0-5	Total/NA	Solid	6020B	1019262
460-319407-19	16A_5-10	Total/NA	Solid	6020B	1019262
460-319407-20	16B_0-5	Total/NA	Solid	6020B	1019262
460-319407-21	16B_5-10	Total/NA	Solid	6020B	1019262
460-319407-22	16C_0-5	Total/NA	Solid	6020B	1019262

Metals (Continued)

Analysis Batch: 1019373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-23	16C_5-10	Total/NA	Solid	6020B	1019262
460-319407-24	16J_0-5	Total/NA	Solid	6020B	1019262
460-319407-25	16J_5-10	Total/NA	Solid	6020B	1019262
MB 460-1019262/1-A	Method Blank	Total/NA	Solid	6020B	1019262
LCSSRM 460-1019262/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1019262
460-319407-18 MS	16A_0-5	Total/NA	Solid	6020B	1019262
460-319407-18 DU	16A_0-5	Total/NA	Solid	6020B	1019262

General Chemistry

Analysis Batch: 1018719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-1	16C3_3-4	Total/NA	Solid	Moisture	
460-319407-2	16C3_8-9	Total/NA	Solid	Moisture	
460-319407-3	16C2_2-3	Total/NA	Solid	Moisture	
460-319407-4	16C2_6-7	Total/NA	Solid	Moisture	
460-319407-5	16C2_0-1	Total/NA	Solid	Moisture	
460-319407-6	16C1_1-2	Total/NA	Solid	Moisture	
460-319407-7	16C1_7-8	Total/NA	Solid	Moisture	
460-319407-8	16B2_1-2	Total/NA	Solid	Moisture	
460-319407-9	16B3_7-8	Total/NA	Solid	Moisture	
460-319407-10	16J3_5-6	Total/NA	Solid	Moisture	
460-319407-11	16J1_3-4	Total/NA	Solid	Moisture	
460-319407-12	16A2_2-3	Total/NA	Solid	Moisture	
460-319407-13	16A3_9-10	Total/NA	Solid	Moisture	
460-319407-14	12A1-7-8	Total/NA	Solid	Moisture	
460-319407-15	12A2-4-5	Total/NA	Solid	Moisture	
460-319398-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319398-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319407-10 DU	16J3_5-6	Total/NA	Solid	Moisture	

Analysis Batch: 1019183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319407-16	12A_0-5	Total/NA	Solid	Moisture	
460-319407-17	12A_5-10	Total/NA	Solid	Moisture	
460-319407-18	16A_0-5	Total/NA	Solid	Moisture	
460-319407-19	16A_5-10	Total/NA	Solid	Moisture	
460-319407-20	16B_0-5	Total/NA	Solid	Moisture	
460-319407-21	16B_5-10	Total/NA	Solid	Moisture	
460-319407-22	16C_0-5	Total/NA	Solid	Moisture	
460-319407-23	16C_5-10	Total/NA	Solid	Moisture	
460-319407-24	16J_0-5	Total/NA	Solid	Moisture	
460-319407-25	16J_5-10	Total/NA	Solid	Moisture	
460-319433-A-19 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319433-A-19 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319659-A-46 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C3_3-4
Date Collected: 01/27/25 14:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16C3_3-4
Date Collected: 01/27/25 14:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-1
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:53
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 01:33

Client Sample ID: 16C3_8-9
Date Collected: 01/27/25 14:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16C3_8-9
Date Collected: 01/27/25 14:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-2
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:54
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 01:58

Client Sample ID: 16C2_2-3
Date Collected: 01/27/25 14:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16C2_2-3
Date Collected: 01/27/25 14:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-3
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:54
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 02:23

Client Sample ID: 16C2_6-7
Date Collected: 01/27/25 14:47
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C2_6-7
Date Collected: 01/27/25 14:47
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-4
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:55
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 02:48

Client Sample ID: 16C2_0-1
Date Collected: 01/27/25 14:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16C2_0-1
Date Collected: 01/27/25 14:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-5
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:55
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 03:13

Client Sample ID: 16C1_1-2
Date Collected: 01/27/25 14:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16C1_1-2
Date Collected: 01/27/25 14:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-6
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:55
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 03:38

Client Sample ID: 16C1_7-8
Date Collected: 01/27/25 14:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C1_7-8
Date Collected: 01/27/25 14:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-7
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:56
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 04:03

Client Sample ID: 16B2_1-2
Date Collected: 01/27/25 13:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16B2_1-2
Date Collected: 01/27/25 13:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-8
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:56
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 04:29

Client Sample ID: 16B3_7-8
Date Collected: 01/27/25 13:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16B3_7-8
Date Collected: 01/27/25 13:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-9
Matrix: Solid
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:57
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 04:54

Client Sample ID: 16J3_5-6
Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16J3_5-6
Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-10
Matrix: Solid
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:57
Total/NA	Analysis	8260D		1	1018846	MZS	EET EDI	01/31/25 05:18

Client Sample ID: 16J1_3-4
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16J1_3-4
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-11
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:58
Total/NA	Analysis	8260D		1	1018946	MZS	EET EDI	01/31/25 11:11

Client Sample ID: 16A2_2-3
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 16A2_2-3
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-12
Matrix: Solid
Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:58
Total/NA	Analysis	8260D		1	1018946	MZS	EET EDI	01/31/25 11:36

Client Sample ID: 16A3_9-10
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16A3_9-10
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-13
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:58
Total/NA	Analysis	8260D		1	1018946	MZS	EET EDI	01/31/25 12:01

Client Sample ID: 12A1-7-8
Date Collected: 01/27/25 08:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12A1-7-8
Date Collected: 01/27/25 08:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-14
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:59
Total/NA	Analysis	8260D		1	1018946	MZS	EET EDI	01/31/25 12:25

Client Sample ID: 12A2-4-5
Date Collected: 01/27/25 09:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12A2-4-5
Date Collected: 01/27/25 09:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-15
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018458	YXG	EET EDI	01/28/25 20:59
Total/NA	Analysis	8260D		1	1018946	MZS	EET EDI	01/31/25 12:50

Client Sample ID: 12A_0-5
Date Collected: 01/27/25 09:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 12A_0-5

Lab Sample ID: 460-319407-16

Date Collected: 01/27/25 09:15
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018870	GXY	EET EDI	01/30/25 20:24
Total/NA	Analysis	8270E		1	1018914	MDJ	EET EDI	01/31/25 11:53
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018895	FAM	EET EDI	01/31/25 07:01
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 13:47
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 20:56
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 12:56
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:34

Client Sample ID: 12A_5-10

Lab Sample ID: 460-319407-17

Date Collected: 01/27/25 09:20
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Client Sample ID: 12A_5-10

Lab Sample ID: 460-319407-17

Date Collected: 01/27/25 09:20
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018870	GXY	EET EDI	01/30/25 20:24
Total/NA	Analysis	8270E		1	1018914	MDJ	EET EDI	01/31/25 11:34
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018892	FAM	EET EDI	01/31/25 09:00
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 14:03
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 21:12
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 12:59
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:36

Client Sample ID: 16A_0-5

Lab Sample ID: 460-319407-18

Date Collected: 01/27/25 12:45
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16A_0-5

Lab Sample ID: 460-319407-18

Date Collected: 01/27/25 12:45
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1018870	GXY	EET EDI	01/30/25 20:24
Total/NA	Analysis	8270E		1	1018914	MDJ	EET EDI	01/31/25 11:15
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018892	FAM	EET EDI	01/31/25 09:12
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 14:20
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 21:29
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 12:46
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:41

Client Sample ID: 16A_5-10

Lab Sample ID: 460-319407-19

Date Collected: 01/27/25 12:50
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Client Sample ID: 16A_5-10

Lab Sample ID: 460-319407-19

Date Collected: 01/27/25 12:50
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 13:22
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018892	FAM	EET EDI	01/31/25 09:24
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 14:37
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 21:46
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:01
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:43

Client Sample ID: 16B_0-5

Lab Sample ID: 460-319407-20

Date Collected: 01/27/25 13:35
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16B_0-5

Lab Sample ID: 460-319407-20

Date Collected: 01/27/25 13:35
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 14:20
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018892	FAM	EET EDI	01/31/25 09:37
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 14:54
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 22:02
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:04
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:45

Client Sample ID: 16B_5-10

Lab Sample ID: 460-319407-21

Date Collected: 01/27/25 13:40
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Client Sample ID: 16B_5-10

Lab Sample ID: 460-319407-21

Date Collected: 01/27/25 13:40
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 14:39
Total/NA	Prep	3546			1018848	ARA	EET EDI	01/30/25 16:17
Total/NA	Analysis	8081B		1	1018895	FAM	EET EDI	01/31/25 09:37
Total/NA	Prep	3546			1018837	ARA	EET EDI	01/30/25 16:01
Total/NA	Analysis	8082A		1	1018917	AAA	EET EDI	01/31/25 15:10
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 22:19
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:06
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:47

Client Sample ID: 16C_0-5

Lab Sample ID: 460-319407-22

Date Collected: 01/27/25 15:00
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16C_0-5

Lab Sample ID: 460-319407-22

Date Collected: 01/27/25 15:00
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 14:58
Total/NA	Prep	3546			1018936	AXB	EET EDI	01/31/25 06:37
Total/NA	Analysis	8081B		1	1019007	FAM	EET EDI	01/31/25 16:17
Total/NA	Prep	3546			1018937	AXB	EET EDI	01/31/25 06:44
Total/NA	Analysis	8082A		1	1019029	OXG	EET EDI	01/31/25 19:37
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 23:09
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:09
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:48

Client Sample ID: 16C_5-10

Lab Sample ID: 460-319407-23

Date Collected: 01/27/25 15:10
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Client Sample ID: 16C_5-10

Lab Sample ID: 460-319407-23

Date Collected: 01/27/25 15:10
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 15:17
Total/NA	Prep	3546			1018936	AXB	EET EDI	01/31/25 06:37
Total/NA	Analysis	8081B		1	1019007	FAM	EET EDI	01/31/25 16:30
Total/NA	Prep	3546			1018937	AXB	EET EDI	01/31/25 06:44
Total/NA	Analysis	8082A		1	1019029	OXG	EET EDI	01/31/25 19:54
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 23:25
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:11
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:50

Client Sample ID: 16J_0-5

Lab Sample ID: 460-319407-24

Date Collected: 01/27/25 11:20
Matrix: Solid
Date Received: 01/28/25 14:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Client Sample ID: 16J_0-5

Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-24

Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 15:37
Total/NA	Prep	3546			1018936	AXB	EET EDI	01/31/25 06:37
Total/NA	Analysis	8081B		1	1019007	FAM	EET EDI	01/31/25 16:43
Total/NA	Prep	3546			1018937	AXB	EET EDI	01/31/25 06:44
Total/NA	Analysis	8082A		1	1019029	OXG	EET EDI	01/31/25 20:11
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 23:42
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:14
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:52

Client Sample ID: 16J_5-10

Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019183	CJC	EET EDI	02/02/25 10:21

Client Sample ID: 16J_5-10

Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319407-25

Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019077	GXY	EET EDI	01/31/25 20:05
Total/NA	Analysis	8270E		1	1019143	YAH	EET EDI	02/01/25 15:56
Total/NA	Prep	3546			1018936	AXB	EET EDI	01/31/25 06:37
Total/NA	Analysis	8081B		1	1019007	FAM	EET EDI	01/31/25 16:56
Total/NA	Prep	3546			1018937	AXB	EET EDI	01/31/25 06:44
Total/NA	Analysis	8082A		1	1019029	OXG	EET EDI	01/31/25 20:27
Total/NA	Prep	1633 Shake			643130	KML	EET CLE	01/30/25 14:32
Total/NA	Analysis	1633		1	643254	DSH	EET CLE	01/31/25 23:59
Total/NA	Prep	3050B			1019262	FBT	EET EDI	02/03/25 06:12
Total/NA	Analysis	6020B		1	1019373	JKF	EET EDI	02/03/25 13:16
Total/NA	Prep	7471B			1018686	TJS	EET EDI	01/30/25 01:11
Total/NA	Analysis	7471B		1	1018731	TJS	EET EDI	01/30/25 05:54

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319407-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319407-1	16C3_3-4	Solid	01/27/25 14:55	01/28/25 14:50
460-319407-2	16C3_8-9	Solid	01/27/25 14:50	01/28/25 14:50
460-319407-3	16C2_2-3	Solid	01/27/25 14:40	01/28/25 14:50
460-319407-4	16C2_6-7	Solid	01/27/25 14:47	01/28/25 14:50
460-319407-5	16C2_0-1	Solid	01/27/25 14:45	01/28/25 14:50
460-319407-6	16C1_1-2	Solid	01/27/25 14:25	01/28/25 14:50
460-319407-7	16C1_7-8	Solid	01/27/25 14:30	01/28/25 14:50
460-319407-8	16B2_1-2	Solid	01/27/25 13:20	01/28/25 14:50
460-319407-9	16B3_7-8	Solid	01/27/25 13:25	01/28/25 14:50
460-319407-10	16J3_5-6	Solid	01/27/25 10:55	01/28/25 14:50
460-319407-11	16J1_3-4	Solid	01/27/25 11:15	01/28/25 14:50
460-319407-12	16A2_2-3	Solid	01/27/25 12:10	01/28/25 14:50
460-319407-13	16A3_9-10	Solid	01/27/25 12:35	01/28/25 14:50
460-319407-14	12A1-7-8	Solid	01/27/25 08:40	01/28/25 14:50
460-319407-15	12A2-4-5	Solid	01/27/25 09:00	01/28/25 14:50
460-319407-16	12A_0-5	Solid	01/27/25 09:15	01/28/25 14:50
460-319407-17	12A_5-10	Solid	01/27/25 09:20	01/28/25 14:50
460-319407-18	16A_0-5	Solid	01/27/25 12:45	01/28/25 14:50
460-319407-19	16A_5-10	Solid	01/27/25 12:50	01/28/25 14:50
460-319407-20	16B_0-5	Solid	01/27/25 13:35	01/28/25 14:50
460-319407-21	16B_5-10	Solid	01/27/25 13:40	01/28/25 14:50
460-319407-22	16C_0-5	Solid	01/27/25 15:00	01/28/25 14:50
460-319407-23	16C_5-10	Solid	01/27/25 15:10	01/28/25 14:50
460-319407-24	16J_0-5	Solid	01/27/25 11:20	01/28/25 14:50
460-319407-25	16J_5-10	Solid	01/27/25 11:25	01/28/25 14:50

Chain of Custody Record 762678

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S Bell	Site Contact: Dolan	Date: 1/27/25	COC No:
Company Name: Haley and Aldrich of NY	Tel/Email: Sbell@haleyaldrich.com	Lab Contact:	Carrier:	1 of 3 COCs
Address: 213 W 35th ST	Analysis Turnaround Time			Sampler:
City/State/Zip: New York NY, 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: Cdennison@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbolander@haleyaldrich.com	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day (5 days)			Lab Sampling:
Project Name: Former Port Mob-1				Job / SDG No: 319407
Site: 4101 Arthur Kill Road				
PO #: 020 8988-000 006 02				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
16C3-3-4	1/27/25	1435	G	S	4	N	N	X	-1
16C3-8-9		1450			1			X	-2
16C2-2-3		1440						X	-3
16C2-6-7		1447						X	-4
16C2-0-1		1445						X	-5
16C1-1-2		425						X	-6
16C1-7-8		1430						X	-7
16B2-1-2		1320						X	-8
16B3-7-8		325						X	-9
16B3-5-6		055						X	-10
16B1-3-4		1115						X	-11
16A2-2-3		1210						X	-12

460-319407 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

NOCS IRM 2.1 (2.3)

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd. _____ Corr'd. _____	Therm ID No.: _____
Relinquished by: Cmon Dolan	Company: Haley-Aldrich	Date/Time: 1/28/25 9:45	Received by:	Company: EET	Date/Time: 1/28/25 9:45
Relinquished by:	Company: EET	Date/Time: 1/28/25 14:50	Received by:	Company: EET	Date/Time: 1/29/25 1450
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/4/2025

Chain of Custody Record 762094

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager	Site Contact:	Date	COC No:
Company Name: Haley + Aldrich of NY	Tel/Email:	Lab Contact:	Carrier:	2 of 3 COCs
Address: 213 W 35th ST	Analysis Turnaround Time			Sampler:
City/State/Zip: New York NY, 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week 5 days ☐ 2 days ☐ 1 day			Lab Sampling
Project Name: Former Post Mobil				Job / SDG No 319407
Site:				
PO #				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TCL VOCs	Sample Specific Notes:
16A3-9-10	1/27/25	1235	G	S	4	N	N	X	-13
12A1-7-8	1	0840	1	1	1	N	N	X	-14
12A2-4-5	1	0900	1	1	1	N	N	X	-15

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C) Obs'd. _____ Corr'd: _____	Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by: Omar Colon	Haley + Aldrich	1/28/25 945	Received by:	ET	1/28/25 945
Relinquished by:	ET 14:30	1/28/25	Received by:	EA	1/28/25 1450
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	Company	Date/Time:

VOCs

3

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2/4/2025

Chain of Custody Record 762679

eurofins | Environment Testing

Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S Bell	Site Contact: O. colon	Date 1/27/25	COC No:
Company Name: Hiley Allrich + NY	Tel/Email: Sbell@hileyallrich.com	Lab Contact:	Carrier:	3 of 3 COCs
Address: 213 W 35th street	Analysis Turnaround Time			Sampler:
City/State/Zip: New York New York 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: Sbmmiss@hileyallrich.com	TAT if different from Below _____			Walk-in Client:
Fax: Mbal under@hileyallrich.com	☐ 2 weeks ☐ 1 week ☐ 2 days 5 days ☐ 1 day			Lab Sampling
Project Name: Former Port mobil				Job / SDG No.: 319407
Site: 414 Arthur Kill road				
P O # 02-055938-000-006-02				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1633 PFAS	TCL SVOCs	TAL Metals	PCBs	Pesticides	Sample Specific Notes:
12A_0-5	1/27/25	0915	C	S	2	N	N	X	X	X	X	X	16
12A_5-10		0920											17
16A_0-5		1245											18
16A_5-10		1250											19
16B_0-5		1335											20
16B_5-10		1340											21
16C_0-5		1500											22
16C_5-10		1510											23
16J_0-5		1100											24
16J_5-10	✓	1125	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	25

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____		
Relinquished by: Omar Colon	Company: Hiley Allrich	Date/Time: 1/28/25 0845	Received by:	Company: EET	Date/Time: 1/28/25
Relinquished by:	Company: EET 1450	Date/Time: 1/28/25	Received by:	Company: EET	Date/Time: 1/28/25 1450
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

NOCS

3

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2/4/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 319407

Number of Coolers: 1

IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.1 °C	2.3 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s). _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 1/28/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73234.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319407 1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 2/4/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of Containers	Special Instructions/Note:
			Preservation Code:						
12A_0-5 (460-319407 16)	1/27/25	09:15 Eastern	G	Solid			X	1	
12A_5-10 (460-319407 17)	1/27/25	09:20 Eastern	G	Solid			X	1	
16A_0-5 (460-319407 18)	1/27/25	12:45 Eastern	G	Solid			X	1	
16A_5-10 (460-319407 19)	1/27/25	12:50 Eastern	G	Solid			X	1	
16B_0-5 (460-319407-20)	1/27/25	13.35 Eastern	G	Solid			X	1	
16B_5-10 (460-319407-21)	1/27/25	13:40 Eastern	G	Solid			X	1	
16C_0-5 (460-319407-22)	1/27/25	15:00 Eastern	G	Solid			X	1	
16C_5-10 (460-319407-23)	1/27/25	15:10 Eastern	G	Solid			X	1	
16J_0-5 (460-319407-24)	1/27/25	11.20 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/29/25 1900	Eurofins	MALISSA LOAR	1-30 2591120	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73234.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319407 1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 2/4/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
16J_5-10 (460-319407-25)	1/27/25	11:25 Eastern	G	Solid			X	1	

Analysis Requested

Preservation Codes.

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		1/29/25 1900	ET	MALISSA LOAR	1-30-25 9:20	
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client COR EDISON Site Name

Cooler unpacked by: MALISSA LOAR

Cooler Received on 1-30-25 Opened on 1-30-25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

Eurofins Cooler # CC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp. 2.1 °C Corrected Cooler Temp. 2.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen.

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319407-1

Login Number: 319407
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 2/4/2025 11:45:28 AM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319408-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
2/4/2025 11:45:28 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-319408-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 1/28/2025 2:50 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.2°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples 12B1_2-3 (460-319408-1), 12B1_6-7 (460-319408-2), 12B2_2-3 (460-319408-3), 12B2_8-9 (460-319408-4), 12B3_4-5 (460-319408-5), 12C1_1-2 (460-319408-6), 12C1_7-8 (460-319408-7), 12C2_2-3 (460-319408-8), 12C2_4-5 (460-319408-9), 12C2_8-9 (460-319408-10), 12D1_1-2 (460-319408-11), 12D1_5-6 (460-319408-12), 12D2_5-6 (460-319408-13), 12D2_8-9 (460-319408-14), 12D3_3-4 (460-319408-15), 12E1_1-2 (460-319408-16), 12E1_6-7 (460-319408-17), 12E1_9-10 (460-319408-18), 12E2_6-7 (460-319408-19), 12E3_3-4 (460-319408-20), 12F1_2-3 (460-319408-21), 12F1_5-6 (460-319408-22), 12F2_8-9 (460-319408-23), 12F3_1-2 (460-319408-24), 12F3_6-7 (460-319408-25), 12G1_2-3 (460-319408-26), 12G2_3-4 (460-319408-27), 12G2_6-7 (460-319408-28), 12G3_1-2 (460-319408-29) and 12G3_5-6 (460-319408-30) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 01/29/2025 and analyzed on 01/31/2025, 02/01/2025 and 02/02/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1019085 was outside the method criteria for the following analytes: Bromomethane and Chlorobromomethane (biased high) and Carbon tetrachloride (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-1019170 recovered above the upper control limit for Bromomethane, Chlorobromomethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1018901 recovered above the upper control limit for Chlorobromomethane, 1,1,2,2-Tetrachloroethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1019085 recovered outside control limits for the following analytes: 1,1,1-Trichloroethane, 2-Hexanone and 4-Methyl-2-pentanone (MIBK). These analytes were biased low in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1019170 recovered outside control limits for the following analytes: Bromomethane and Vinyl chloride (biased high) and 2-Hexanone, tert-Butylbenzene and 4-Methyl-2-pentanone (MIBK) (biased low). These analytes were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1018901 recovered outside control limits for the following analytes: 2-Hexanone and 4-Methyl-2-pentanone (MIBK) (biased low) and Bromomethane and Vinyl chloride (biased high). These analytes were not detected in the associated samples; therefore, the data have been reported.

2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCS 460-1018901/3. Bromomethane and Vinyl chloride failed the recovery criteria high. 1,1,1-Trichloroethane, 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCS 460-1019085/3. 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCS 460-1019170/3. Bromomethane failed the recovery criteria high. 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCSD 460-1018901/4. 1,1,1-Trichloroethane, 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria low for LCSD 460-1019085/4. 2-Hexanone, 4-Methyl-2-pentanone (MIBK) and tert-Butylbenzene failed the recovery criteria low for LCSD 460-1019170/4. Bromomethane and Vinyl chloride failed the recovery criteria high. Refer to the QC report for details.

Internal standard (ISTD) response for 1,4-Dioxane-d8 for the following sample in analytical batch 460-1019085 was outside acceptance criteria: 12E3_3-4 (460-319408-20). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 12B1_2-3 (460-319408-1), 12B1_6-7 (460-319408-2), 12B2_2-3 (460-319408-3), 12B2_8-9 (460-319408-4), 12B3_4-5 (460-319408-5), 12C1_1-2 (460-319408-6), 12C1_7-8 (460-319408-7), 12C2_2-3 (460-319408-8), 12C2_4-5 (460-319408-9), 12C2_8-9 (460-319408-10), 12D1_1-2 (460-319408-11), 12D1_5-6 (460-319408-12), 12D2_5-6 (460-319408-13), 12D2_8-9 (460-319408-14), 12D3_3-4 (460-319408-15), 12E1_1-2 (460-319408-16), 12E1_6-7 (460-319408-17), 12E1_9-10 (460-319408-18), 12E2_6-7 (460-319408-19), 12E3_3-4 (460-319408-20), 12F1_2-3 (460-319408-21), 12F1_5-6 (460-319408-22), 12F2_8-9 (460-319408-23), 12F3_1-2 (460-319408-24), 12F3_6-7 (460-319408-25), 12G1_2-3 (460-319408-26), 12G2_3-4 (460-319408-27), 12G2_6-7 (460-319408-28), 12G3_1-2 (460-319408-29) and 12G3_5-6 (460-319408-30) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/30/2025.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-319398-5. Percent Moisture exceeded the RPD limit for the duplicate of sample 460-319407-10. Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12B1_2-3 — Lab Sample ID: 460-319408-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00034	J	0.0011	0.00028	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0020	J	0.0022	0.0013	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00055	J	0.0011	0.00019	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00020	J	0.0011	0.00020	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00026	J	0.0011	0.00022	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00032	J	0.0011	0.00026	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00081	J	0.0022	0.00019	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B1_6-7 — Lab Sample ID: 460-319408-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0019	J	0.0040	0.00029	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.041		0.0048	0.0045	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00026	J	0.00079	0.00021	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B2_2-3 — Lab Sample ID: 460-319408-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00027	J	0.00076	0.00019	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00028	J	0.00076	0.00020	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00017	J	0.00076	0.00015	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00050	J	0.00076	0.00013	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00018	J	0.00076	0.00015	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00026	J	0.00076	0.00018	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00068	J	0.0015	0.00013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B2_8-9 — Lab Sample ID: 460-319408-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.0044	0.0042	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B3_4-5 — Lab Sample ID: 460-319408-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.00020	J	0.00074	0.00013	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00020	J	0.0015	0.00013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C1_1-2 — Lab Sample ID: 460-319408-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00039	J	0.0011	0.00028	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0027	J	0.0057	0.00042	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.040		0.0068	0.0065	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00037	J	0.0011	0.00030	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00054	J	0.0011	0.00020	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00025	J	0.0011	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00079	J	0.0023	0.00020	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C1_7-8 — Lab Sample ID: 460-319408-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00030	J	0.0011	0.00027	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.032		0.0066	0.0063	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00047	J	0.0011	0.00029	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C2_2-3 — Lab Sample ID: 460-319408-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00013	J	0.00052	0.00013	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0023	J	0.0026	0.00019	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.024		0.0031	0.0030	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00016	J	0.00052	0.00014	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00018	J	0.00052	0.000091	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00018	J	0.0010	0.000091	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C2_4-5 — Lab Sample ID: 460-319408-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00033	J	0.00059	0.00014	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0019	J	0.0029	0.00022	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.027		0.0035	0.0033	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00076		0.00059	0.00016	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00014	J	0.00059	0.00012	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00047	J	0.00059	0.00010	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00019	J	0.00059	0.00011	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00015	J	0.00059	0.00014	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00066	J	0.0012	0.00010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C2_8-9 — Lab Sample ID: 460-319408-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.019		0.0047	0.0044	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D1_1-2 — Lab Sample ID: 460-319408-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0054		0.0010	0.00026	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0019		0.0010	0.00033	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.020		0.0052	0.00038	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.11		0.0062	0.0059	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0028		0.0010	0.00028	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0014		0.0010	0.00021	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0059		0.0010	0.00030	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0074		0.0010	0.00052	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0015	J	0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0046		0.0010	0.00018	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.014		0.0010	0.00031	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0093		0.0010	0.00018	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0023		0.0010	0.00020	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.017		0.0010	0.00030	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0026		0.0010	0.00029	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00059	J	0.0010	0.00024	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0069		0.0021	0.00018	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D1_5-6 — Lab Sample ID: 460-319408-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0035		0.00085	0.00021	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0012		0.00085	0.00027	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.022		0.0042	0.00031	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.13		0.0051	0.0049	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 12D1_5-6 (Continued) — Lab Sample ID: 460-319408-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	0.0018		0.00085	0.00023	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00083	J	0.00085	0.00017	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0038		0.00085	0.00024	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.011		0.00085	0.00042	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0027		0.00085	0.00015	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.0097		0.00085	0.00025	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0063		0.00085	0.00015	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0014		0.00085	0.00016	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.012		0.00085	0.00024	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0018		0.00085	0.00023	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00050	J	0.00085	0.00020	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0041		0.0017	0.00015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D2_5-6 — Lab Sample ID: 460-319408-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0029		0.00083	0.00020	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0011		0.00083	0.00026	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.020		0.0041	0.00030	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.096		0.0050	0.0047	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0015		0.00083	0.00022	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00060	J	0.00083	0.00016	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0032		0.00083	0.00024	mg/Kg	1	☼	8260D	Total/NA
Methyl acetate	0.0073		0.0041	0.0036	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0042		0.00083	0.00041	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0022		0.00083	0.00014	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.0089		0.00083	0.00024	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0052		0.00083	0.00014	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0013		0.00083	0.00016	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.011		0.00083	0.00024	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0017	*	0.00083	0.00023	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00038	J	0.00083	0.00019	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0035		0.0017	0.00014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D2_8-9 — Lab Sample ID: 460-319408-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0028		0.00098	0.00024	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0010		0.00098	0.00031	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.029		0.0049	0.00036	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.12		0.0059	0.0056	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0047		0.00098	0.00026	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00064	J	0.00098	0.00020	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0043		0.00098	0.00028	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.011		0.00098	0.00049	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0020		0.00098	0.00017	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.011		0.00098	0.00029	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0077		0.00098	0.00017	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0012		0.00098	0.00019	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.014		0.00098	0.00028	mg/Kg	1	☼	8260D	Total/NA
tert-Butylbenzene	0.0022		0.00098	0.00027	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00055	J	0.00098	0.00023	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12D2_8-9 (Continued) — Lab Sample ID: 460-319408-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.0031		0.0020	0.00017	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D3_3-4 — Lab Sample ID: 460-319408-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.013		0.0067	0.0064	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.00033	J	0.0011	0.00025	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.00080	J	0.0011	0.00056	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00022	J	0.0011	0.00019	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00026	J	0.0011	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00048	J	0.0022	0.00019	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E1_1-2 — Lab Sample ID: 460-319408-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0038		0.00093	0.00023	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0011		0.00093	0.00029	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0087		0.0047	0.00034	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.050		0.0056	0.0053	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0030		0.00093	0.00024	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00070	J	0.00093	0.00025	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0018		0.00093	0.00019	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.00037	J	0.00093	0.00027	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0011		0.00093	0.00047	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.0054		0.00093	0.00016	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00040	J	0.00093	0.00027	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00088	J	0.00093	0.00016	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0024		0.00093	0.00018	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00047	J	0.00093	0.00027	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0016		0.00093	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0077		0.0019	0.00016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E1_6-7 — Lab Sample ID: 460-319408-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.017		0.00090	0.00022	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0066		0.00090	0.00028	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.016		0.0045	0.00033	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.064		0.0054	0.0051	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0073		0.00090	0.00023	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0011		0.00090	0.00024	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.011		0.00090	0.00018	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0019		0.00090	0.00026	mg/Kg	1	☼	8260D	Total/NA
Methyl tert-butyl ether	0.00096		0.00090	0.00046	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.050		0.00090	0.00045	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.036		0.00090	0.00016	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00083	J	0.00090	0.00026	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0052		0.00090	0.00016	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.011		0.00090	0.00017	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00071	J	0.00090	0.00026	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0044		0.00090	0.00021	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.047		0.0018	0.00016	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12E1_9-10 — Lab Sample ID: 460-319408-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.011		0.00089	0.00022	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0038		0.00089	0.00028	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.018		0.0045	0.00033	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.072		0.0053	0.0051	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.012		0.00089	0.00023	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0013		0.00089	0.00024	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.012		0.00089	0.00018	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0011		0.00089	0.00025	mg/Kg	1	☼	8260D	Total/NA
Methyl tert-butyl ether	0.0010		0.00089	0.00046	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.015		0.00089	0.00044	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.033		0.00089	0.00015	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00058	J	0.00089	0.00026	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0026		0.00089	0.00016	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.012		0.00089	0.00017	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00047	J	0.00089	0.00026	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0077		0.00089	0.00021	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.045		0.0018	0.00015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E2_6-7 — Lab Sample ID: 460-319408-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.026		0.00096	0.00024	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0091		0.00096	0.00030	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.018		0.0048	0.00035	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.065		0.0058	0.0055	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0095		0.00096	0.00025	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0012		0.00096	0.00026	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.022		0.00096	0.00019	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0023		0.00096	0.00027	mg/Kg	1	☼	8260D	Total/NA
Methyl tert-butyl ether	0.0011		0.00096	0.00049	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.028		0.00096	0.00048	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.065		0.00096	0.00017	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.0011		0.00096	0.00028	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0063		0.00096	0.00017	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.020		0.00096	0.00019	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00091	J	0.00096	0.00028	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.010		0.00096	0.00022	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.086		0.0019	0.00017	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E3_3-4 — Lab Sample ID: 460-319408-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.0043		0.00088	0.00022	mg/Kg	1	☼	8260D	Total/NA
1,3,5-Trimethylbenzene	0.0013		0.00088	0.00027	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.010		0.0044	0.00032	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.064		0.0053	0.0050	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0028		0.00088	0.00023	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00070	J	0.00088	0.00023	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.00088		0.00088	0.00019	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.0021		0.00088	0.00017	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.00041	J	0.00088	0.00025	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.00068	J	0.00088	0.00044	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 12E3_3-4 (Continued) — Lab Sample ID: 460-319408-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.0064		0.00088	0.00015	mg/Kg	1	☼	8260D	Total/NA
n-Butylbenzene	0.00040	J	0.00088	0.00026	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00093		0.00088	0.00015	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.0029		0.00088	0.00017	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00046	J	0.00088	0.00025	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0011		0.00088	0.00020	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0093		0.0018	0.00015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F1_2-3 — Lab Sample ID: 460-319408-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00058	J	0.00070	0.00017	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0086		0.0035	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.057		0.0042	0.0040	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00080		0.00070	0.00018	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00049	J	0.00070	0.00019	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00021	J	0.00070	0.00014	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00065	J	0.00070	0.00012	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00021	J	0.00070	0.00012	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00037	J	0.00070	0.00014	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00022	J	0.00070	0.00020	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00025	J	0.00070	0.00016	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.0010	J	0.0014	0.00012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F1_5-6 — Lab Sample ID: 460-319408-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00029	J	0.0012	0.00029	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0075		0.0058	0.00043	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.058		0.0070	0.0067	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0016		0.0012	0.00030	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0013		0.0012	0.00031	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.00084	J	0.0012	0.00026	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00026	J	0.0012	0.00023	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.00070	J	0.0012	0.00058	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0014	J	0.0023	0.0013	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00051	J	0.0012	0.00020	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00039	J	0.0012	0.00027	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00051	J	0.0023	0.00020	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F2_8-9 — Lab Sample ID: 460-319408-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00040	J	0.0011	0.00026	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0087		0.0054	0.00039	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.070		0.0064	0.0061	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0015		0.0011	0.00028	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0010	J	0.0011	0.00028	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00022	J	0.0011	0.00021	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00049	J	0.0011	0.00019	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00023	J	0.0011	0.00021	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00034	J	0.0011	0.00025	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12F2_8-9 (Continued) — Lab Sample ID: 460-319408-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	0.00072	J	0.0021	0.00019	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F3_1-2 — Lab Sample ID: 460-319408-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00063	J	0.0014	0.00034	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0067	J	0.0070	0.00051	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.056		0.0084	0.0080	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00097	J	0.0014	0.00036	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0012	J	0.0014	0.00037	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.00056	J	0.0014	0.00031	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00058	J	0.0014	0.00024	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00035	J	0.0014	0.00027	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00038	J	0.0014	0.00033	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00093	J	0.0028	0.00024	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12F3_6-7 — Lab Sample ID: 460-319408-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.00054	J	0.0010	0.00025	mg/Kg	1	☼	8260D	Total/NA
2-Butanone (MEK)	0.0097		0.0050	0.00037	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.063		0.0060	0.0057	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0020		0.0010	0.00026	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0013		0.0010	0.00027	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.00028	J	0.0010	0.00020	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0018		0.0010	0.00050	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0011	J	0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00063	J	0.0010	0.00017	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00021	J	0.0010	0.00017	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00028	J	0.0010	0.00019	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00029	J	0.0010	0.00029	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00039	J	0.0010	0.00023	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00092	J	0.0020	0.00017	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G1_2-3 — Lab Sample ID: 460-319408-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0069		0.0066	0.0063	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G2_3-4 — Lab Sample ID: 460-319408-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0057	J	0.0059	0.0056	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G2_6-7 — Lab Sample ID: 460-319408-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.035		0.0062	0.0059	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0011		0.0010	0.00026	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G3_1-2 — Lab Sample ID: 460-319408-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.019		0.0041	0.0039	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 12G3_1-2 (Continued) — Lab Sample ID: 460-319408-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0015		0.00069	0.00018	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.0059		0.00069	0.00015	mg/Kg	1	☼	8260D	Total/NA
Methylcyclohexane	0.0040		0.00069	0.00034	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00017	J	0.00069	0.00016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G3_5-6 — Lab Sample ID: 460-319408-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0048		0.0035	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.035		0.0042	0.0040	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.00055	J	0.00071	0.00018	mg/Kg	1	☼	8260D	Total/NA
Cyclohexane	0.00043	J	0.00071	0.00016	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12B1_2-3
Date Collected: 01/27/25 10:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-1
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2,4-Trimethylbenzene	**0.00034**	**J**	0.0011	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
2-Hexanone	0.0056	U *	0.0056	0.0019	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
4-Methyl-2-pentanone (MIBK)	0.0056	U *	0.0056	0.0017	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Bromomethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Methylene Chloride	**0.0020**	**J**	0.0022	0.0013	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
m-Xylene & p-Xylene	**0.00055**	**J**	0.0011	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
N-Propylbenzene	**0.00020**	**J**	0.0011	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
o-Xylene	**0.00026**	**J**	0.0011	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1

Client Sample ID: 12B1_2-3

Date Collected: 01/27/25 10:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-1

Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Toluene	**0.00032**	**J**	0.0011	0.00026	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Vinyl chloride	0.0011	U *	0.0011	0.00061	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1
Xylenes, Total	**0.00081**	**J**	0.0022	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*01/29/25 11:02*	*01/31/25 11:23*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*01/29/25 11:02*	*01/31/25 11:23*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*01/29/25 11:02*	*01/31/25 11:23*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*01/29/25 11:02*	*01/31/25 11:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.7**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12B1_6-7

Date Collected: 01/27/25 10:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-2

Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00079	U	0.00079	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,1,2,2-Tetrachloroethane	0.00079	U	0.00079	0.00017	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,1,2-Trichloroethane	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,1-Dichloroethane	0.00079	U	0.00079	0.00016	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,1-Dichloroethene	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2,3-Trichlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2,4-Trimethylbenzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2-Dibromo-3-Chloropropane	0.00079	U	0.00079	0.00037	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2-Dichloroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,2-Dichloropropane	0.00079	U	0.00079	0.00034	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,3-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
1,4-Dichlorobenzene	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
2-Butanone (MEK)	**0.0019**	**J**	0.0040	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
2-Hexanone	0.0040	U *	0.0040	0.0014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
4-Methyl-2-pentanone (MIBK)	0.0040	U *	0.0040	0.0012	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Acetone	**0.041**		0.0048	0.0045	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Benzene	0.00079	U	0.00079	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Bromoform	0.00079	U	0.00079	0.00034	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Bromomethane	0.0016	U *	0.0016	0.00079	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12B1_6-7
Date Collected: 01/27/25 10:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-2
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00026**	**J**	0.00079	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Carbon tetrachloride	0.00079	U	0.00079	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chlorobromomethane	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chlorodibromomethane	0.00079	U	0.00079	0.00015	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chloroform	0.00079	U	0.00079	0.00077	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Chloromethane	0.00079	U	0.00079	0.00035	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
cis-1,2-Dichloroethene	0.00079	U	0.00079	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
cis-1,3-Dichloropropene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Cyclohexane	0.00079	U	0.00079	0.00018	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Dichlorobromomethane	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Dichlorodifluoromethane	0.00079	U	0.00079	0.00027	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Ethylbenzene	0.00079	U	0.00079	0.00016	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Ethylene Dibromide	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Isopropylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00041	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Methylcyclohexane	0.00079	U	0.00079	0.00040	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
m-Xylene & p-Xylene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
n-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
N-Propylbenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
o-Xylene	0.00079	U	0.00079	0.00015	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
sec-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Styrene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
tert-Butylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Tetrachloroethene	0.00079	U	0.00079	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Toluene	0.00079	U	0.00079	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
trans-1,2-Dichloroethene	0.00079	U	0.00079	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
trans-1,3-Dichloropropene	0.00079	U	0.00079	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Trichloroethene	0.00079	U	0.00079	0.00026	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Trichlorofluoromethane	0.00079	U	0.00079	0.00032	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Vinyl chloride	0.00079	U *	0.00079	0.00043	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 11:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*01/29/25 11:02*	*01/31/25 11:46*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/29/25 11:02*	*01/31/25 11:46*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:02*	*01/31/25 11:46*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*01/29/25 11:02*	*01/31/25 11:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.1**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12B2_2-3
Date Collected: 01/27/25 10:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-3
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00076	U	0.00076	0.00018	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,1,2,2-Tetrachloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,1,2-Trichloroethane	0.00076	U	0.00076	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,1-Dichloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,1-Dichloroethene	0.00076	U	0.00076	0.00017	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2,3-Trichlorobenzene	0.00076	U	0.00076	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2,4-Trichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2,4-Trimethylbenzene	**0.00027**	**J**	0.00076	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2-Dibromo-3-Chloropropane	0.00076	U	0.00076	0.00035	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2-Dichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2-Dichloroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,2-Dichloropropane	0.00076	U	0.00076	0.00032	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,3,5-Trimethylbenzene	0.00076	U	0.00076	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,3-Dichlorobenzene	0.00076	U	0.00076	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
1,4-Dichlorobenzene	0.00076	U	0.00076	0.00017	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
2-Hexanone	0.0038	U *	0.0038	0.0013	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
4-Methyl-2-pentanone (MIBK)	0.0038	U *	0.0038	0.0012	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Acetone	0.0046	U	0.0046	0.0044	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Benzene	**0.00028**	**J**	0.00076	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Bromoform	0.00076	U	0.00076	0.00032	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Bromomethane	0.0015	U *	0.0015	0.00076	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Carbon disulfide	0.00076	U	0.00076	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Carbon tetrachloride	0.00076	U	0.00076	0.00029	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chlorobenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chlorobromomethane	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chlorodibromomethane	0.00076	U	0.00076	0.00015	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chloroethane	0.00076	U	0.00076	0.00040	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chloroform	0.00076	U	0.00076	0.00074	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Chloromethane	0.00076	U	0.00076	0.00033	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
cis-1,2-Dichloroethene	0.00076	U	0.00076	0.00027	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
cis-1,3-Dichloropropene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Cyclohexane	0.00076	U	0.00076	0.00017	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Dichlorobromomethane	0.00076	U	0.00076	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Dichlorodifluoromethane	0.00076	U	0.00076	0.00026	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Ethylbenzene	**0.00017**	**J**	0.00076	0.00015	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Ethylene Dibromide	0.00076	U	0.00076	0.00014	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Isopropylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Methyl acetate	0.0038	U	0.0038	0.0033	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Methyl tert-butyl ether	0.00076	U	0.00076	0.00039	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Methylcyclohexane	0.00076	U	0.00076	0.00038	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Methylene Chloride	0.0015	U	0.0015	0.00087	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
m-Xylene & p-Xylene	**0.00050**	**J**	0.00076	0.00013	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
n-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
N-Propylbenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
o-Xylene	**0.00018**	**J**	0.00076	0.00015	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
sec-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Styrene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1

Client Sample ID: 12B2_2-3

Lab Sample ID: 460-319408-3

Date Collected: 01/27/25 10:10
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00076	U	0.00076	0.00021	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Tetrachloroethene	0.00076	U	0.00076	0.00023	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Toluene	**0.00026**	**J**	0.00076	0.00018	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
trans-1,2-Dichloroethene	0.00076	U	0.00076	0.00019	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
trans-1,3-Dichloropropene	0.00076	U	0.00076	0.00020	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Trichloroethene	0.00076	U	0.00076	0.00024	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Trichlorofluoromethane	0.00076	U	0.00076	0.00031	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Vinyl chloride	0.00076	U *	0.00076	0.00042	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1
Xylenes, Total	**0.00068**	**J**	0.0015	0.00013	mg/Kg	☼	01/29/25 11:02	01/31/25 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*01/29/25 11:02*	*01/31/25 12:09*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*01/29/25 11:02*	*01/31/25 12:09*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:02*	*01/31/25 12:09*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*01/29/25 11:02*	*01/31/25 12:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.5**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**90.5**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12B2_8-9

Lab Sample ID: 460-319408-4

Date Collected: 01/27/25 10:15
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00073	U *	0.00073	0.00017	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,1,2,2-Tetrachloroethane	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,1,2-Trichloroethane	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,1-Dichloroethane	0.00073	U	0.00073	0.00015	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,1-Dichloroethene	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2,3-Trichlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2,4-Trimethylbenzene	0.00073	U	0.00073	0.00018	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2-Dibromo-3-Chloropropane	0.00073	U	0.00073	0.00034	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2-Dichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2-Dichloroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,2-Dichloropropane	0.00073	U	0.00073	0.00031	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,3,5-Trimethylbenzene	0.00073	U	0.00073	0.00023	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,3-Dichlorobenzene	0.00073	U	0.00073	0.00027	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
1,4-Dichlorobenzene	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
2-Hexanone	0.0037	U *	0.0037	0.0012	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
4-Methyl-2-pentanone (MIBK)	0.0037	U *	0.0037	0.0011	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Acetone	**0.022**		0.0044	0.0042	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Benzene	0.00073	U	0.00073	0.00019	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Bromoform	0.00073	U	0.00073	0.00031	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Bromomethane	0.0015	U	0.0015	0.00073	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1

Client Sample ID: 12B2_8-9
Date Collected: 01/27/25 10:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-4
Matrix: Solid
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00073	U	0.00073	0.00019	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Carbon tetrachloride	0.00073	U	0.00073	0.00028	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chlorobromomethane	0.00073	U	0.00073	0.00021	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chlorodibromomethane	0.00073	U	0.00073	0.00014	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chloroform	0.00073	U	0.00073	0.00071	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Chloromethane	0.00073	U	0.00073	0.00032	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
cis-1,2-Dichloroethene	0.00073	U	0.00073	0.00026	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
cis-1,3-Dichloropropene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Cyclohexane	0.00073	U	0.00073	0.00016	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Dichlorobromomethane	0.00073	U	0.00073	0.00019	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Dichlorodifluoromethane	0.00073	U	0.00073	0.00025	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Ethylbenzene	0.00073	U	0.00073	0.00015	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Ethylene Dibromide	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Isopropylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Methyl acetate	0.0037	U	0.0037	0.0031	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Methyl tert-butyl ether	0.00073	U	0.00073	0.00037	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Methylcyclohexane	0.00073	U	0.00073	0.00036	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Methylene Chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
m-Xylene & p-Xylene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
n-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
N-Propylbenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
o-Xylene	0.00073	U	0.00073	0.00014	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
sec-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Styrene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
tert-Butylbenzene	0.00073	U	0.00073	0.00020	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Tetrachloroethene	0.00073	U	0.00073	0.00022	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Toluene	0.00073	U	0.00073	0.00017	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
trans-1,2-Dichloroethene	0.00073	U	0.00073	0.00018	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
trans-1,3-Dichloropropene	0.00073	U	0.00073	0.00019	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Trichloroethene	0.00073	U	0.00073	0.00023	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Trichlorofluoromethane	0.00073	U	0.00073	0.00030	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Vinyl chloride	0.00073	U	0.00073	0.00040	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	01/29/25 11:03	02/01/25 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*01/29/25 11:03*	*02/01/25 07:39*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/29/25 11:03*	*02/01/25 07:39*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*01/29/25 11:03*	*02/01/25 07:39*	*1*
Toluene-d8 (Surr)	*85*		*71 - 126*	*01/29/25 11:03*	*02/01/25 07:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.7**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.3**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12B3_4-5
Date Collected: 01/27/25 10:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-5
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00074	U	0.00074	0.00017	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,1,2,2-Tetrachloroethane	0.00074	U	0.00074	0.00016	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,1,2-Trichloroethane	0.00074	U	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,1-Dichloroethane	0.00074	U	0.00074	0.00015	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,1-Dichloroethene	0.00074	U	0.00074	0.00017	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2,3-Trichlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2,4-Trichlorobenzene	0.00074	U	0.00074	0.00026	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2,4-Trimethylbenzene	0.00074	U	0.00074	0.00018	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2-Dibromo-3-Chloropropane	0.00074	U	0.00074	0.00034	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2-Dichloroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,2-Dichloropropane	0.00074	U	0.00074	0.00031	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,3,5-Trimethylbenzene	0.00074	U	0.00074	0.00023	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,3-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
1,4-Dichlorobenzene	0.00074	U	0.00074	0.00017	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
2-Hexanone	0.0037	U *	0.0037	0.0013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
4-Methyl-2-pentanone (MIBK)	0.0037	U *	0.0037	0.0011	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Benzene	0.00074	U	0.00074	0.00019	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Bromoform	0.00074	U	0.00074	0.00031	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Bromomethane	0.0015	U *	0.0015	0.00074	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Carbon disulfide	0.00074	U	0.00074	0.00020	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Carbon tetrachloride	0.00074	U	0.00074	0.00029	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chlorobromomethane	0.00074	U	0.00074	0.00021	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chlorodibromomethane	0.00074	U	0.00074	0.00014	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chloroethane	0.00074	U	0.00074	0.00039	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chloroform	0.00074	U	0.00074	0.00072	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Chloromethane	0.00074	U	0.00074	0.00032	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
cis-1,2-Dichloroethene	0.00074	U	0.00074	0.00026	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
cis-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Cyclohexane	0.00074	U	0.00074	0.00016	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Dichlorobromomethane	0.00074	U	0.00074	0.00019	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Dichlorodifluoromethane	0.00074	U	0.00074	0.00025	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Ethylbenzene	0.00074	U	0.00074	0.00015	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Ethylene Dibromide	0.00074	U	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Isopropylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Methyl acetate	0.0037	U	0.0037	0.0032	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Methyl tert-butyl ether	0.00074	U	0.00074	0.00038	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Methylcyclohexane	0.00074	U	0.00074	0.00037	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Methylene Chloride	0.0015	U	0.0015	0.00085	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
m-Xylene & p-Xylene	**0.00020**	**J**	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
n-Butylbenzene	0.00074	U	0.00074	0.00022	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
N-Propylbenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
o-Xylene	0.00074	U	0.00074	0.00014	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
sec-Butylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Styrene	0.00074	U	0.00074	0.00021	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1

Client Sample ID: 12B3_4-5

Date Collected: 01/27/25 10:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-5
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00074	U	0.00074	0.00020	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Tetrachloroethene	0.00074	U	0.00074	0.00023	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Toluene	0.00074	U	0.00074	0.00017	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
trans-1,2-Dichloroethene	0.00074	U	0.00074	0.00018	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
trans-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Trichloroethene	0.00074	U	0.00074	0.00024	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Trichlorofluoromethane	0.00074	U	0.00074	0.00030	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Vinyl chloride	0.00074	U *	0.00074	0.00040	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1
Xylenes, Total	**0.00020**	**J**	0.0015	0.00013	mg/Kg	☼	01/29/25 11:03	01/31/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*01/29/25 11:03*	*01/31/25 12:55*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*01/29/25 11:03*	*01/31/25 12:55*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*01/29/25 11:03*	*01/31/25 12:55*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:03*	*01/31/25 12:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12C1_1-2

Date Collected: 01/27/25 10:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-6
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2,4-Trimethylbenzene	**0.00039**	**J**	0.0011	0.00028	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
2-Butanone (MEK)	**0.0027**	**J**	0.0057	0.00042	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
2-Hexanone	0.0057	U *	0.0057	0.0019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
4-Methyl-2-pentanone (MIBK)	0.0057	U *	0.0057	0.0018	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Acetone	**0.040**		0.0068	0.0065	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Bromomethane	0.0023	U *	0.0023	0.0011	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C1_1-2
Date Collected: 01/27/25 10:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-6
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00037**	**J**	0.0011	0.00030	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chlorobromomethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Ethylbenzene	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
m-Xylene & p-Xylene	**0.00054**	**J**	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
N-Propylbenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
o-Xylene	**0.00025**	**J**	0.0011	0.00022	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
sec-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Vinyl chloride	0.0011	U *	0.0011	0.00062	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1
Xylenes, Total	**0.00079**	**J**	0.0023	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*01/29/25 11:04*	*01/31/25 13:18*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*01/29/25 11:04*	*01/31/25 13:18*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*01/29/25 11:04*	*01/31/25 13:18*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*01/29/25 11:04*	*01/31/25 13:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C1_7-8
Date Collected: 01/27/25 10:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-7
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2,4-Trimethylbenzene	**0.00030**	**J**	0.0011	0.00027	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
2-Hexanone	0.0055	U *	0.0055	0.0019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
4-Methyl-2-pentanone (MIBK)	0.0055	U *	0.0055	0.0017	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Acetone	**0.032**		0.0066	0.0063	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Bromomethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Carbon disulfide	**0.00047**	**J**	0.0011	0.00029	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1

Client Sample ID: 12C1_7-8

Date Collected: 01/27/25 10:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-7

Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Vinyl chloride	0.0011	U *	0.0011	0.00060	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	01/29/25 11:04	01/31/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*01/29/25 11:04*	*01/31/25 13:41*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/29/25 11:04*	*01/31/25 13:41*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*01/29/25 11:04*	*01/31/25 13:41*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:04*	*01/31/25 13:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.0**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**96.0**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12C2_2-3

Date Collected: 01/27/25 10:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-8

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00052	U	0.00052	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,1,2,2-Tetrachloroethane	0.00052	U	0.00052	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00052	U	0.00052	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,1,2-Trichloroethane	0.00052	U	0.00052	0.000093	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,1-Dichloroethane	0.00052	U	0.00052	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,1-Dichloroethene	0.00052	U	0.00052	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2,3-Trichlorobenzene	0.00052	U	0.00052	0.000095	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2,4-Trichlorobenzene	0.00052	U	0.00052	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2,4-Trimethylbenzene	**0.00013**	**J**	0.00052	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2-Dibromo-3-Chloropropane	0.00052	U	0.00052	0.00024	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2-Dichlorobenzene	0.00052	U	0.00052	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2-Dichloroethane	0.00052	U	0.00052	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,2-Dichloropropane	0.00052	U	0.00052	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,3,5-Trimethylbenzene	0.00052	U	0.00052	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,3-Dichlorobenzene	0.00052	U	0.00052	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
1,4-Dichlorobenzene	0.00052	U	0.00052	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
2-Butanone (MEK)	**0.0023**	**J**	0.0026	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
2-Hexanone	0.0026	U *	0.0026	0.00090	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
4-Methyl-2-pentanone (MIBK)	0.0026	U *	0.0026	0.00082	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Acetone	**0.024**		0.0031	0.0030	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Benzene	0.00052	U	0.00052	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Bromoform	0.00052	U	0.00052	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Bromomethane	0.0010	U *	0.0010	0.00052	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C2_2-3
Date Collected: 01/27/25 10:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-8
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00016**	**J**	0.00052	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Carbon tetrachloride	0.00052	U	0.00052	0.00020	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chlorobenzene	0.00052	U	0.00052	0.000093	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chlorobromomethane	0.00052	U	0.00052	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chlorodibromomethane	0.00052	U	0.00052	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chloroethane	0.00052	U	0.00052	0.00027	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chloroform	0.00052	U	0.00052	0.00051	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Chloromethane	0.00052	U	0.00052	0.00023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
cis-1,2-Dichloroethene	0.00052	U	0.00052	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
cis-1,3-Dichloropropene	0.00052	U	0.00052	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Cyclohexane	0.00052	U	0.00052	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Dichlorobromomethane	0.00052	U	0.00052	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Dichlorodifluoromethane	0.00052	U	0.00052	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Ethylbenzene	0.00052	U	0.00052	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Ethylene Dibromide	0.00052	U	0.00052	0.000094	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Isopropylbenzene	0.00052	U	0.00052	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Methyl acetate	0.0026	U	0.0026	0.0023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Methyl tert-butyl ether	0.00052	U	0.00052	0.00027	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Methylcyclohexane	0.00052	U	0.00052	0.00026	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Methylene Chloride	0.0010	U	0.0010	0.00060	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
m-Xylene & p-Xylene	**0.00018**	**J**	0.00052	0.000091	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
n-Butylbenzene	0.00052	U	0.00052	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
N-Propylbenzene	0.00052	U	0.00052	0.000092	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
o-Xylene	0.00052	U	0.00052	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
sec-Butylbenzene	0.00052	U	0.00052	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Styrene	0.00052	U	0.00052	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
tert-Butylbenzene	0.00052	U	0.00052	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Tetrachloroethene	0.00052	U	0.00052	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Toluene	0.00052	U	0.00052	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
trans-1,2-Dichloroethene	0.00052	U	0.00052	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
trans-1,3-Dichloropropene	0.00052	U	0.00052	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Trichloroethene	0.00052	U	0.00052	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Trichlorofluoromethane	0.00052	U	0.00052	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Vinyl chloride	0.00052	U *	0.00052	0.00029	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1
Xylenes, Total	**0.00018**	**J**	0.0010	0.000091	mg/Kg	☼	01/29/25 11:05	01/31/25 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*01/29/25 11:05*	*01/31/25 14:04*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/29/25 11:05*	*01/31/25 14:04*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:05*	*01/31/25 14:04*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:05*	*01/31/25 14:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C2_4-5
Date Collected: 01/27/25 10:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-9
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00059	U	0.00059	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,1,2,2-Tetrachloroethane	0.00059	U	0.00059	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00059	U	0.00059	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,1,2-Trichloroethane	0.00059	U	0.00059	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,1-Dichloroethane	0.00059	U	0.00059	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,1-Dichloroethene	0.00059	U	0.00059	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2,3-Trichlorobenzene	0.00059	U	0.00059	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2,4-Trichlorobenzene	0.00059	U	0.00059	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2,4-Trimethylbenzene	**0.00033**	**J**	0.00059	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2-Dibromo-3-Chloropropane	0.00059	U	0.00059	0.00027	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2-Dichlorobenzene	0.00059	U	0.00059	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2-Dichloroethane	0.00059	U	0.00059	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,2-Dichloropropane	0.00059	U	0.00059	0.00025	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,3,5-Trimethylbenzene	0.00059	U	0.00059	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,3-Dichlorobenzene	0.00059	U	0.00059	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
1,4-Dichlorobenzene	0.00059	U	0.00059	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
2-Butanone (MEK)	**0.0019**	**J**	0.0029	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
2-Hexanone	0.0029	U *	0.0029	0.0010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
4-Methyl-2-pentanone (MIBK)	0.0029	U *	0.0029	0.00091	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Acetone	**0.027**		0.0035	0.0033	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Benzene	0.00059	U	0.00059	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Bromoform	0.00059	U	0.00059	0.00025	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Bromomethane	0.0012	U *	0.0012	0.00059	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Carbon disulfide	**0.00076**		0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Carbon tetrachloride	0.00059	U	0.00059	0.00023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chlorobenzene	0.00059	U	0.00059	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chlorobromomethane	0.00059	U	0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chlorodibromomethane	0.00059	U	0.00059	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chloroethane	0.00059	U	0.00059	0.00031	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chloroform	0.00059	U	0.00059	0.00057	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Chloromethane	0.00059	U	0.00059	0.00025	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
cis-1,2-Dichloroethene	0.00059	U	0.00059	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
cis-1,3-Dichloropropene	0.00059	U	0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Cyclohexane	0.00059	U	0.00059	0.00013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Dichlorobromomethane	0.00059	U	0.00059	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Dichlorodifluoromethane	0.00059	U	0.00059	0.00020	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Ethylbenzene	**0.00014**	**J**	0.00059	0.00012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Ethylene Dibromide	0.00059	U	0.00059	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Isopropylbenzene	0.00059	U	0.00059	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Methyl acetate	0.0029	U	0.0029	0.0025	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Methyl tert-butyl ether	0.00059	U	0.00059	0.00030	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Methylcyclohexane	0.00059	U	0.00059	0.00029	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Methylene Chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
m-Xylene & p-Xylene	**0.00047**	**J**	0.00059	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
n-Butylbenzene	0.00059	U	0.00059	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
N-Propylbenzene	0.00059	U	0.00059	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
o-Xylene	**0.00019**	**J**	0.00059	0.00011	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
sec-Butylbenzene	0.00059	U	0.00059	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Styrene	0.00059	U	0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1

Client Sample ID: 12C2_4-5

Date Collected: 01/27/25 10:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-9

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00059	U	0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Tetrachloroethene	0.00059	U	0.00059	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Toluene	**0.00015**	**J**	0.00059	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
trans-1,2-Dichloroethene	0.00059	U	0.00059	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
trans-1,3-Dichloropropene	0.00059	U	0.00059	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Trichloroethene	0.00059	U	0.00059	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Trichlorofluoromethane	0.00059	U	0.00059	0.00024	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Vinyl chloride	0.00059	U *	0.00059	0.00032	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1
Xylenes, Total	**0.00066**	**J**	0.0012	0.00010	mg/Kg	☼	01/29/25 11:05	01/31/25 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*01/29/25 11:05*	*01/31/25 14:26*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/29/25 11:05*	*01/31/25 14:26*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/29/25 11:05*	*01/31/25 14:26*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:05*	*01/31/25 14:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.0**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.0**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12C2_8-9

Date Collected: 01/27/25 10:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-10

Matrix: Solid
Percent Solids: 96.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00016	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2,4-Trimethylbenzene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2-Dibromo-3-Chloropropane	0.00078	U	0.00078	0.00036	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00029	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
2-Hexanone	0.0039	U *	0.0039	0.0013	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
4-Methyl-2-pentanone (MIBK)	0.0039	U *	0.0039	0.0012	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Acetone	**0.019**		0.0047	0.0044	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Benzene	0.00078	U	0.00078	0.00020	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Bromomethane	0.0016	U *	0.0016	0.00078	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1

Client Sample ID: 12C2_8-9
Date Collected: 01/27/25 10:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-10
Matrix: Solid
Percent Solids: 96.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chlorobromomethane	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chlorodibromomethane	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chloroform	0.00078	U	0.00078	0.00075	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00026	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Ethylbenzene	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Ethylene Dibromide	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Methyl acetate	0.0039	U	0.0039	0.0033	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Methylene Chloride	0.0016	U	0.0016	0.00089	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
m-Xylene & p-Xylene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
N-Propylbenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
o-Xylene	0.00078	U	0.00078	0.00015	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
sec-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
tert-Butylbenzene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Toluene	0.00078	U	0.00078	0.00018	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
trans-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Vinyl chloride	0.00078	U *	0.00078	0.00042	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	01/29/25 11:05	01/31/25 14:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*01/29/25 11:05*	*01/31/25 14:49*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/29/25 11:05*	*01/31/25 14:49*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:05*	*01/31/25 14:49*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:05*	*01/31/25 14:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**96.2**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12D1_1-2
Date Collected: 01/27/25 10:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-11
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2,4-Trimethylbenzene	**0.0054**		0.0010	0.00026	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,3,5-Trimethylbenzene	**0.0019**		0.0010	0.00033	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
2-Butanone (MEK)	**0.020**		0.0052	0.00038	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
2-Hexanone	0.0052	U *	0.0052	0.0018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
4-Methyl-2-pentanone (MIBK)	0.0052	U *	0.0052	0.0016	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Acetone	**0.11**		0.0062	0.0059	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Bromomethane	0.0021	U *	0.0021	0.0010	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Carbon disulfide	**0.0028**		0.0010	0.00028	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Ethylbenzene	**0.0014**		0.0010	0.00021	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Ethylene Dibromide	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Isopropylbenzene	**0.0059**		0.0010	0.00030	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Methylcyclohexane	**0.0074**		0.0010	0.00052	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Methylene Chloride	**0.0015**	**J**	0.0021	0.0012	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
m-Xylene & p-Xylene	**0.0046**		0.0010	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
n-Butylbenzene	**0.014**		0.0010	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
N-Propylbenzene	**0.0093**		0.0010	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
o-Xylene	**0.0023**		0.0010	0.00020	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
sec-Butylbenzene	**0.017**		0.0010	0.00030	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1

Client Sample ID: 12D1_1-2

Lab Sample ID: 460-319408-11

Date Collected: 01/27/25 10:50
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**0.0026**		0.0010	0.00029	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Toluene	**0.00059**	**J**	0.0010	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Vinyl chloride	0.0010	U *	0.0010	0.00057	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1
Xylenes, Total	**0.0069**		0.0021	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*01/29/25 11:06*	*01/31/25 15:58*	*1*
4-Bromofluorobenzene	*79*		*71 - 128*	*01/29/25 11:06*	*01/31/25 15:58*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*01/29/25 11:06*	*01/31/25 15:58*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*01/29/25 11:06*	*01/31/25 15:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.6**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.4**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12D1_5-6

Lab Sample ID: 460-319408-12

Date Collected: 01/27/25 10:55
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2,4-Trimethylbenzene	**0.0035**		0.00085	0.00021	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,3,5-Trimethylbenzene	**0.0012**		0.00085	0.00027	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
2-Butanone (MEK)	**0.022**		0.0042	0.00031	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
2-Hexanone	0.0042	U *	0.0042	0.0015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
4-Methyl-2-pentanone (MIBK)	0.0042	U *	0.0042	0.0013	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Acetone	**0.13**		0.0051	0.0049	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Bromomethane	0.0017	U *	0.0017	0.00085	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1

Client Sample ID: 12D1_5-6
Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-12
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0018**		0.00085	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Ethylbenzene	**0.00083**	**J**	0.00085	0.00017	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Isopropylbenzene	**0.0038**		0.00085	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Methylcyclohexane	**0.011**		0.00085	0.00042	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
m-Xylene & p-Xylene	**0.0027**		0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
n-Butylbenzene	**0.0097**		0.00085	0.00025	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
N-Propylbenzene	**0.0063**		0.00085	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
o-Xylene	**0.0014**		0.00085	0.00016	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
sec-Butylbenzene	**0.012**		0.00085	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
tert-Butylbenzene	**0.0018**		0.00085	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Toluene	**0.00050**	**J**	0.00085	0.00020	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Vinyl chloride	0.00085	U *	0.00085	0.00046	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1
Xylenes, Total	**0.0041**		0.0017	0.00015	mg/Kg	☼	01/29/25 11:06	01/31/25 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*01/29/25 11:06*	*01/31/25 16:21*	*1*
4-Bromofluorobenzene	*80*		*71 - 128*	*01/29/25 11:06*	*01/31/25 16:21*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*01/29/25 11:06*	*01/31/25 16:21*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:06*	*01/31/25 16:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.1**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**96.9**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12D2_5-6
Date Collected: 01/27/25 11:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-13
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00018	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00015	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00017	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00015	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2,4-Trimethylbenzene	**0.0029**		0.00083	0.00020	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,3,5-Trimethylbenzene	**0.0011**		0.00083	0.00026	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00019	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
2-Butanone (MEK)	**0.020**		0.0041	0.00030	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
2-Hexanone	0.0041	U *	0.0041	0.0014	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
4-Methyl-2-pentanone (MIBK)	0.0041	U *	0.0041	0.0013	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Acetone	**0.096**		0.0050	0.0047	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Benzene	0.00083	U	0.00083	0.00021	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Bromomethane	0.0017	U *	0.0017	0.00083	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Carbon disulfide	**0.0015**		0.00083	0.00022	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chlorobenzene	0.00083	U	0.00083	0.00015	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chlorobromomethane	0.00083	U	0.00083	0.00023	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chlorodibromomethane	0.00083	U	0.00083	0.00016	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chloroform	0.00083	U	0.00083	0.00080	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Ethylbenzene	**0.00060**	**J**	0.00083	0.00016	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Ethylene Dibromide	0.00083	U	0.00083	0.00015	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Isopropylbenzene	**0.0032**		0.00083	0.00024	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Methyl acetate	**0.0073**		0.0041	0.0036	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00042	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Methylcyclohexane	**0.0042**		0.00083	0.00041	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Methylene Chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
m-Xylene & p-Xylene	**0.0022**		0.00083	0.00014	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
n-Butylbenzene	**0.0089**		0.00083	0.00024	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
N-Propylbenzene	**0.0052**		0.00083	0.00014	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
o-Xylene	**0.0013**		0.00083	0.00016	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
sec-Butylbenzene	**0.011**		0.00083	0.00024	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1

Client Sample ID: 12D2_5-6

Lab Sample ID: 460-319408-13
Date Collected: 01/27/25 11:00
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 97.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	**0.0017**	*	0.00083	0.00023	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Toluene	**0.00038**	J	0.00083	0.00019	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00020	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Vinyl chloride	0.00083	U *	0.00083	0.00045	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1
Xylenes, Total	**0.0035**		0.0017	0.00014	mg/Kg	☼	01/29/25 11:07	02/02/25 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*01/29/25 11:07*	*02/02/25 04:19*	*1*
4-Bromofluorobenzene	*80*		*71 - 128*	*01/29/25 11:07*	*02/02/25 04:19*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*01/29/25 11:07*	*02/02/25 04:19*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/29/25 11:07*	*02/02/25 04:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**97.7**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12D2_8-9

Lab Sample ID: 460-319408-14
Date Collected: 01/27/25 11:05
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 98.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U *	0.00098	0.00023	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00021	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00030	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00020	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00018	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2,4-Trimethylbenzene	**0.0028**		0.00098	0.00024	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00042	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,3,5-Trimethylbenzene	**0.0010**		0.00098	0.00031	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
2-Butanone (MEK)	**0.029**		0.0049	0.00036	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
2-Hexanone	0.0049	U *	0.0049	0.0017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
4-Methyl-2-pentanone (MIBK)	0.0049	U *	0.0049	0.0015	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Acetone	**0.12**		0.0059	0.0056	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Benzene	0.00098	U	0.00098	0.00025	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1

Client Sample ID: 12D2_8-9
Date Collected: 01/27/25 11:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-14
Matrix: Solid
Percent Solids: 98.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0047**		0.00098	0.00026	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chlorobenzene	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chlorobromomethane	0.00098	U	0.00098	0.00028	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chlorodibromomethane	0.00098	U	0.00098	0.00019	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Chloromethane	0.00098	U	0.00098	0.00043	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Ethylbenzene	**0.00064**	**J**	0.00098	0.00020	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Ethylene Dibromide	0.00098	U	0.00098	0.00018	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Isopropylbenzene	**0.0043**		0.00098	0.00028	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Methylcyclohexane	**0.011**		0.00098	0.00049	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
m-Xylene & p-Xylene	**0.0020**		0.00098	0.00017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
n-Butylbenzene	**0.011**		0.00098	0.00029	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
N-Propylbenzene	**0.0077**		0.00098	0.00017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
o-Xylene	**0.0012**		0.00098	0.00019	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
sec-Butylbenzene	**0.014**		0.00098	0.00028	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
tert-Butylbenzene	**0.0022**		0.00098	0.00027	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Toluene	**0.00055**	**J**	0.00098	0.00023	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Trichloroethene	0.00098	U	0.00098	0.00032	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Vinyl chloride	0.00098	U	0.00098	0.00054	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1
Xylenes, Total	**0.0031**		0.0020	0.00017	mg/Kg	☼	01/29/25 11:07	02/01/25 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*01/29/25 11:07*	*02/01/25 16:03*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*01/29/25 11:07*	*02/01/25 16:03*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:07*	*02/01/25 16:03*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:07*	*02/01/25 16:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**98.1**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12D3_3-4
Date Collected: 01/27/25 11:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-15
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
2-Hexanone	0.0056	U *	0.0056	0.0019	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
4-Methyl-2-pentanone (MIBK)	0.0056	U *	0.0056	0.0017	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Acetone	**0.013**		0.0067	0.0064	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Bromomethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Cyclohexane	**0.00033**	**J**	0.0011	0.00025	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Methylcyclohexane	**0.00080**	**J**	0.0011	0.00056	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
m-Xylene & p-Xylene	**0.00022**	**J**	0.0011	0.00019	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
N-Propylbenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
o-Xylene	**0.00026**	**J**	0.0011	0.00022	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1

Client Sample ID: 12D3_3-4

Lab Sample ID: 460-319408-15
Date Collected: 01/27/25 11:10
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Vinyl chloride	0.0011	U *	0.0011	0.00061	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1
Xylenes, Total	**0.00048**	**J**	0.0022	0.00019	mg/Kg	☼	01/29/25 11:08	01/31/25 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*01/29/25 11:08*	*01/31/25 15:12*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/29/25 11:08*	*01/31/25 15:12*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:08*	*01/31/25 15:12*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*01/29/25 11:08*	*01/31/25 15:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.2**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12E1_1-2

Lab Sample ID: 460-319408-16
Date Collected: 01/27/25 11:15
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00020	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00019	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2,4-Trimethylbenzene	**0.0038**		0.00093	0.00023	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,3,5-Trimethylbenzene	**0.0011**		0.00093	0.00029	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00021	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
2-Butanone (MEK)	**0.0087**		0.0047	0.00034	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
2-Hexanone	0.0047	U *	0.0047	0.0016	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
4-Methyl-2-pentanone (MIBK)	0.0047	U *	0.0047	0.0015	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Acetone	**0.050**		0.0056	0.0053	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Benzene	**0.0030**		0.00093	0.00024	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Bromomethane	0.0019	U *	0.0019	0.00093	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1

Client Sample ID: 12E1_1-2
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-16
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00070**	**J**	0.00093	0.00025	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chlorobromomethane	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chlorodibromomethane	0.00093	U	0.00093	0.00018	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chloroform	0.00093	U	0.00093	0.00091	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Chloromethane	0.00093	U	0.00093	0.00041	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00032	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Ethylbenzene	**0.0018**		0.00093	0.00019	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Ethylene Dibromide	0.00093	U	0.00093	0.00017	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Isopropylbenzene	**0.00037**	**J**	0.00093	0.00027	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Methylcyclohexane	**0.0011**		0.00093	0.00047	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
m-Xylene & p-Xylene	**0.0054**		0.00093	0.00016	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
n-Butylbenzene	**0.00040**	**J**	0.00093	0.00027	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
N-Propylbenzene	**0.00088**	**J**	0.00093	0.00016	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
o-Xylene	**0.0024**		0.00093	0.00018	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
sec-Butylbenzene	**0.00047**	**J**	0.00093	0.00027	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Tetrachloroethene	0.00093	U	0.00093	0.00029	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Toluene	**0.0016**		0.00093	0.00022	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Vinyl chloride	0.00093	U *	0.00093	0.00051	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1
Xylenes, Total	**0.0077**		0.0019	0.00016	mg/Kg	☼	01/29/25 11:08	01/31/25 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*01/29/25 11:08*	*01/31/25 15:35*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/29/25 11:08*	*01/31/25 15:35*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*01/29/25 11:08*	*01/31/25 15:35*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:08*	*01/31/25 15:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.7**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12E1_6-7
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-17
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U *	0.00090	0.00021	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2,4-Trimethylbenzene	**0.017**		0.00090	0.00022	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,3,5-Trimethylbenzene	**0.0066**		0.00090	0.00028	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00020	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
2-Butanone (MEK)	**0.016**		0.0045	0.00033	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
2-Hexanone	0.0045	U *	0.0045	0.0015	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
4-Methyl-2-pentanone (MIBK)	0.0045	U *	0.0045	0.0014	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Acetone	**0.064**		0.0054	0.0051	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Benzene	**0.0073**		0.00090	0.00023	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Carbon disulfide	**0.0011**		0.00090	0.00024	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chlorobromomethane	0.00090	U	0.00090	0.00025	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chlorodibromomethane	0.00090	U	0.00090	0.00017	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Ethylbenzene	**0.011**		0.00090	0.00018	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Ethylene Dibromide	0.00090	U	0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Isopropylbenzene	**0.0019**		0.00090	0.00026	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Methyl tert-butyl ether	**0.00096**		0.00090	0.00046	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Methylcyclohexane	**0.050**		0.00090	0.00045	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
m-Xylene & p-Xylene	**0.036**		0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
n-Butylbenzene	**0.00083**	**J**	0.00090	0.00026	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
N-Propylbenzene	**0.0052**		0.00090	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
o-Xylene	**0.011**		0.00090	0.00017	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
sec-Butylbenzene	**0.00071**	**J**	0.00090	0.00026	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1

Client Sample ID: 12E1_6-7

Lab Sample ID: 460-319408-17

Date Collected: 01/27/25 11:20
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Toluene	**0.0044**		0.00090	0.00021	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00036	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1
Xylenes, Total	**0.047**		0.0018	0.00016	mg/Kg	☼	01/29/25 11:08	02/01/25 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*01/29/25 11:08*	*02/01/25 09:32*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/29/25 11:08*	*02/01/25 09:32*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:08*	*02/01/25 09:32*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/29/25 11:08*	*02/01/25 09:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12E1_9-10

Lab Sample ID: 460-319408-18

Date Collected: 01/27/25 11:25
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U *	0.00089	0.00021	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2,4-Trimethylbenzene	**0.011**		0.00089	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,3,5-Trimethylbenzene	**0.0038**		0.00089	0.00028	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
2-Butanone (MEK)	**0.018**		0.0045	0.00033	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
2-Hexanone	0.0045	U *	0.0045	0.0015	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
4-Methyl-2-pentanone (MIBK)	0.0045	U *	0.0045	0.0014	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Acetone	**0.072**		0.0053	0.0051	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Benzene	**0.012**		0.00089	0.00023	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1

Client Sample ID: 12E1_9-10

Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-18

Matrix: Solid
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0013**		0.00089	0.00024	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Carbon tetrachloride	0.00089	U	0.00089	0.00034	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chloroform	0.00089	U	0.00089	0.00086	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Ethylbenzene	**0.012**		0.00089	0.00018	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Isopropylbenzene	**0.0011**		0.00089	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Methyl acetate	0.0045	U	0.0045	0.0038	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Methyl tert-butyl ether	**0.0010**		0.00089	0.00046	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Methylcyclohexane	**0.015**		0.00089	0.00044	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
m-Xylene & p-Xylene	**0.033**		0.00089	0.00015	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
n-Butylbenzene	**0.00058**	**J**	0.00089	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
N-Propylbenzene	**0.0026**		0.00089	0.00016	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
o-Xylene	**0.012**		0.00089	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
sec-Butylbenzene	**0.00047**	**J**	0.00089	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Toluene	**0.0077**		0.00089	0.00021	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1
Xylenes, Total	**0.045**		0.0018	0.00015	mg/Kg	☼	01/29/25 11:09	02/01/25 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*01/29/25 11:09*	*02/01/25 09:55*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*01/29/25 11:09*	*02/01/25 09:55*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/29/25 11:09*	*02/01/25 09:55*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*01/29/25 11:09*	*02/01/25 09:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.3**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.7**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12E2_6-7
Date Collected: 01/27/25 11:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-19
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U *	0.00096	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00021	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00020	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2,4-Trimethylbenzene	**0.026**		0.00096	0.00024	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,3,5-Trimethylbenzene	**0.0091**		0.00096	0.00030	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
2-Butanone (MEK)	**0.018**		0.0048	0.00035	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
2-Hexanone	0.0048	U *	0.0048	0.0016	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
4-Methyl-2-pentanone (MIBK)	0.0048	U *	0.0048	0.0015	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Acetone	**0.065**		0.0058	0.0055	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Benzene	**0.0095**		0.00096	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Carbon disulfide	**0.0012**		0.00096	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chlorobromomethane	0.00096	U	0.00096	0.00027	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chlorodibromomethane	0.00096	U	0.00096	0.00019	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Ethylbenzene	**0.022**		0.00096	0.00019	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Ethylene Dibromide	0.00096	U	0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Isopropylbenzene	**0.0023**		0.00096	0.00027	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Methyl tert-butyl ether	**0.0011**		0.00096	0.00049	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Methylcyclohexane	**0.028**		0.00096	0.00048	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
m-Xylene & p-Xylene	**0.065**		0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
n-Butylbenzene	**0.0011**		0.00096	0.00028	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
N-Propylbenzene	**0.0063**		0.00096	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
o-Xylene	**0.020**		0.00096	0.00019	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
sec-Butylbenzene	**0.00091**	**J**	0.00096	0.00028	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1

Client Sample ID: 12E2_6-7

Lab Sample ID: 460-319408-19

Date Collected: 01/27/25 11:30
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Toluene	**0.010**		0.00096	0.00022	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Vinyl chloride	0.00096	U	0.00096	0.00052	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1
Xylenes, Total	**0.086**		0.0019	0.00017	mg/Kg	☼	01/29/25 11:09	02/01/25 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*01/29/25 11:09*	*02/01/25 10:18*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/29/25 11:09*	*02/01/25 10:18*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*01/29/25 11:09*	*02/01/25 10:18*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/29/25 11:09*	*02/01/25 10:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12E3_3-4

Lab Sample ID: 460-319408-20

Date Collected: 01/27/25 11:35
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U *	0.00088	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00018	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2,4-Trimethylbenzene	**0.0043**		0.00088	0.00022	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,3,5-Trimethylbenzene	**0.0013**		0.00088	0.00027	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
2-Butanone (MEK)	**0.010**		0.0044	0.00032	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
2-Hexanone	0.0044	U *	0.0044	0.0015	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
4-Methyl-2-pentanone (MIBK)	0.0044	U *	0.0044	0.0014	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Acetone	**0.064**		0.0053	0.0050	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Benzene	**0.0028**		0.00088	0.00023	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1

Client Sample ID: 12E3_3-4
Date Collected: 01/27/25 11:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-20
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00070**	**J**	0.00088	0.00023	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chlorobenzene	0.00088	U	0.00088	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chlorobromomethane	0.00088	U	0.00088	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chlorodibromomethane	0.00088	U	0.00088	0.00017	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Cyclohexane	**0.00088**		0.00088	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Dichlorobromomethane	0.00088	U	0.00088	0.00022	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Ethylbenzene	**0.0021**		0.00088	0.00017	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Ethylene Dibromide	0.00088	U	0.00088	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Isopropylbenzene	**0.00041**	**J**	0.00088	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Methylcyclohexane	**0.00068**	**J**	0.00088	0.00044	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
m-Xylene & p-Xylene	**0.0064**		0.00088	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
n-Butylbenzene	**0.00040**	**J**	0.00088	0.00026	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
N-Propylbenzene	**0.00093**		0.00088	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
o-Xylene	**0.0029**		0.00088	0.00017	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
sec-Butylbenzene	**0.00046**	**J**	0.00088	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Toluene	**0.0011**		0.00088	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1
Xylenes, Total	**0.0093**		0.0018	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*01/29/25 11:10*	*02/01/25 10:41*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*01/29/25 11:10*	*02/01/25 10:41*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:10*	*02/01/25 10:41*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/29/25 11:10*	*02/01/25 10:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.5**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**93.5**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12F1_2-3
Date Collected: 01/27/25 11:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-21
Matrix: Solid
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00070	U *	0.00070	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,1,2,2-Tetrachloroethane	0.00070	U	0.00070	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00070	U	0.00070	0.00021	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,1,2-Trichloroethane	0.00070	U	0.00070	0.00013	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,1-Dichloroethane	0.00070	U	0.00070	0.00015	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,1-Dichloroethene	0.00070	U	0.00070	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2,3-Trichlorobenzene	0.00070	U	0.00070	0.00013	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2,4-Trichlorobenzene	0.00070	U	0.00070	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2,4-Trimethylbenzene	**0.00058**	**J**	0.00070	0.00017	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2-Dibromo-3-Chloropropane	0.00070	U	0.00070	0.00032	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2-Dichlorobenzene	0.00070	U	0.00070	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2-Dichloroethane	0.00070	U	0.00070	0.00021	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,2-Dichloropropane	0.00070	U	0.00070	0.00030	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,3,5-Trimethylbenzene	0.00070	U	0.00070	0.00022	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,3-Dichlorobenzene	0.00070	U	0.00070	0.00026	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
1,4-Dichlorobenzene	0.00070	U	0.00070	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
2-Butanone (MEK)	**0.0086**		0.0035	0.00026	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
2-Hexanone	0.0035	U *	0.0035	0.0012	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
4-Methyl-2-pentanone (MIBK)	0.0035	U *	0.0035	0.0011	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Acetone	**0.057**		0.0042	0.0040	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Benzene	**0.00080**		0.00070	0.00018	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Bromoform	0.00070	U	0.00070	0.00030	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Bromomethane	0.0014	U	0.0014	0.00070	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Carbon disulfide	**0.00049**	**J**	0.00070	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Carbon tetrachloride	0.00070	U	0.00070	0.00027	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chlorobenzene	0.00070	U	0.00070	0.00012	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chlorobromomethane	0.00070	U	0.00070	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chlorodibromomethane	0.00070	U	0.00070	0.00014	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chloroethane	0.00070	U	0.00070	0.00037	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chloroform	0.00070	U	0.00070	0.00068	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Chloromethane	0.00070	U	0.00070	0.00031	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
cis-1,2-Dichloroethene	0.00070	U	0.00070	0.00025	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
cis-1,3-Dichloropropene	0.00070	U	0.00070	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Cyclohexane	0.00070	U	0.00070	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Dichlorobromomethane	0.00070	U	0.00070	0.00018	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Dichlorodifluoromethane	0.00070	U	0.00070	0.00024	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Ethylbenzene	**0.00021**	**J**	0.00070	0.00014	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Ethylene Dibromide	0.00070	U	0.00070	0.00013	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Isopropylbenzene	0.00070	U	0.00070	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Methyl acetate	0.0035	U	0.0035	0.0030	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Methyl tert-butyl ether	0.00070	U	0.00070	0.00036	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Methylcyclohexane	0.00070	U	0.00070	0.00035	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Methylene Chloride	0.0014	U	0.0014	0.00081	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
m-Xylene & p-Xylene	**0.00065**	**J**	0.00070	0.00012	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
n-Butylbenzene	0.00070	U	0.00070	0.00021	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
N-Propylbenzene	**0.00021**	**J**	0.00070	0.00012	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
o-Xylene	**0.00037**	**J**	0.00070	0.00014	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
sec-Butylbenzene	**0.00022**	**J**	0.00070	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Styrene	0.00070	U	0.00070	0.00020	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1

Client Sample ID: 12F1_2-3

Lab Sample ID: 460-319408-21
Date Collected: 01/27/25 11:40
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00070	U	0.00070	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Tetrachloroethene	0.00070	U	0.00070	0.00021	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Toluene	**0.00025**	**J**	0.00070	0.00016	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
trans-1,2-Dichloroethene	0.00070	U	0.00070	0.00017	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
trans-1,3-Dichloropropene	0.00070	U	0.00070	0.00019	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Trichloroethene	0.00070	U	0.00070	0.00023	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Trichlorofluoromethane	0.00070	U	0.00070	0.00029	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Vinyl chloride	0.00070	U	0.00070	0.00038	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1
Xylenes, Total	**0.0010**	**J**	0.0014	0.00012	mg/Kg	☼	01/29/25 11:10	02/01/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*01/29/25 11:10*	*02/01/25 11:04*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*01/29/25 11:10*	*02/01/25 11:04*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*01/29/25 11:10*	*02/01/25 11:04*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*01/29/25 11:10*	*02/01/25 11:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.5**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**94.5**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12F1_5-6

Lab Sample ID: 460-319408-22
Date Collected: 01/27/25 11:45
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U *	0.0012	0.00027	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2,4-Trimethylbenzene	**0.00029**	**J**	0.0012	0.00029	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
2-Butanone (MEK)	**0.0075**		0.0058	0.00043	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
2-Hexanone	0.0058	U *	0.0058	0.0020	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
4-Methyl-2-pentanone (MIBK)	0.0058	U *	0.0058	0.0018	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Acetone	**0.058**		0.0070	0.0067	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Benzene	**0.0016**		0.0012	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Bromoform	0.0012	U	0.0012	0.00049	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1

Client Sample ID: 12F1_5-6
Date Collected: 01/27/25 11:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-22
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0013**		0.0012	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Cyclohexane	**0.00084**	**J**	0.0012	0.00026	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Ethylbenzene	**0.00026**	**J**	0.0012	0.00023	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Methylcyclohexane	**0.00070**	**J**	0.0012	0.00058	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Methylene Chloride	**0.0014**	**J**	0.0023	0.0013	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
m-Xylene & p-Xylene	**0.00051**	**J**	0.0012	0.00020	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
n-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
N-Propylbenzene	0.0012	U	0.0012	0.00020	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Styrene	0.0012	U	0.0012	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
tert-Butylbenzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Tetrachloroethene	0.0012	U	0.0012	0.00035	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Toluene	**0.00039**	**J**	0.0012	0.00027	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Trichloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1
Xylenes, Total	**0.00051**	**J**	0.0023	0.00020	mg/Kg	☼	01/29/25 11:11	02/01/25 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*01/29/25 11:11*	*02/01/25 11:27*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*01/29/25 11:11*	*02/01/25 11:27*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*01/29/25 11:11*	*02/01/25 11:27*	*1*
Toluene-d8 (Surr)	*83*		*71 - 126*	*01/29/25 11:11*	*02/01/25 11:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.8**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**98.2**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12F2_8-9
Date Collected: 01/27/25 12:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-23
Matrix: Solid
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U *	0.0011	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2,4-Trimethylbenzene	**0.00040**	**J**	0.0011	0.00026	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
2-Butanone (MEK)	**0.0087**		0.0054	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
2-Hexanone	0.0054	U *	0.0054	0.0018	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
4-Methyl-2-pentanone (MIBK)	0.0054	U *	0.0054	0.0017	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Acetone	**0.070**		0.0064	0.0061	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Benzene	**0.0015**		0.0011	0.00028	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Carbon disulfide	**0.0010**	**J**	0.0011	0.00028	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Ethylbenzene	**0.00022**	**J**	0.0011	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
m-Xylene & p-Xylene	**0.00049**	**J**	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
o-Xylene	**0.00023**	**J**	0.0011	0.00021	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1

Client Sample ID: 12F2_8-9

Lab Sample ID: 460-319408-23
Date Collected: 01/27/25 12:00
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Toluene	**0.00034**	**J**	0.0011	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1
Xylenes, Total	**0.00072**	**J**	0.0021	0.00019	mg/Kg	☼	01/29/25 11:11	02/01/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*01/29/25 11:11*	*02/01/25 11:50*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*01/29/25 11:11*	*02/01/25 11:50*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*01/29/25 11:11*	*02/01/25 11:50*	*1*
Toluene-d8 (Surr)	*85*		*71 - 126*	*01/29/25 11:11*	*02/01/25 11:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.4**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**96.6**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12F3_1-2

Lab Sample ID: 460-319408-24
Date Collected: 01/27/25 12:05
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U *	0.0014	0.00032	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2,4-Trimethylbenzene	**0.00063**	**J**	0.0014	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00064	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
2-Butanone (MEK)	**0.0067**	**J**	0.0070	0.00051	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
2-Hexanone	0.0070	U *	0.0070	0.0024	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
4-Methyl-2-pentanone (MIBK)	0.0070	U *	0.0070	0.0022	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Acetone	**0.056**		0.0084	0.0080	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Benzene	**0.00097**	**J**	0.0014	0.00036	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Bromoform	0.0014	U	0.0014	0.00059	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1

Client Sample ID: 12F3_1-2
Date Collected: 01/27/25 12:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-24
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.0012**	**J**	0.0014	0.00037	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Cyclohexane	**0.00056**	**J**	0.0014	0.00031	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Methylcyclohexane	0.0014	U	0.0014	0.00069	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
m-Xylene & p-Xylene	**0.00058**	**J**	0.0014	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
o-Xylene	**0.00035**	**J**	0.0014	0.00027	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
tert-Butylbenzene	0.0014	U	0.0014	0.00038	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Toluene	**0.00038**	**J**	0.0014	0.00033	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1
Xylenes, Total	**0.00093**	**J**	0.0028	0.00024	mg/Kg	☼	01/29/25 11:11	02/01/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*01/29/25 11:11*	*02/01/25 15:17*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*01/29/25 11:11*	*02/01/25 15:17*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:11*	*02/01/25 15:17*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/29/25 11:11*	*02/01/25 15:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**95.1**		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12F3_6-7
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-25
Matrix: Solid
Percent Solids: 97.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U *	0.0010	0.00023	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2,4-Trimethylbenzene	**0.00054**	**J**	0.0010	0.00025	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
2-Butanone (MEK)	**0.0097**		0.0050	0.00037	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
2-Hexanone	0.0050	U *	0.0050	0.0017	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
4-Methyl-2-pentanone (MIBK)	0.0050	U *	0.0050	0.0016	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Acetone	**0.063**		0.0060	0.0057	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Benzene	**0.0020**		0.0010	0.00026	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Carbon disulfide	**0.0013**		0.0010	0.00027	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Ethylbenzene	**0.00028**	**J**	0.0010	0.00020	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Methylcyclohexane	**0.0018**		0.0010	0.00050	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Methylene Chloride	**0.0011**	**J**	0.0020	0.0011	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
m-Xylene & p-Xylene	**0.00063**	**J**	0.0010	0.00017	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
N-Propylbenzene	**0.00021**	**J**	0.0010	0.00017	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
o-Xylene	**0.00028**	**J**	0.0010	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
sec-Butylbenzene	**0.00029**	**J**	0.0010	0.00029	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1

Client Sample ID: 12F3_6-7

Lab Sample ID: 460-319408-25

Date Collected: 01/27/25 12:10

Matrix: Solid

Date Received: 01/28/25 14:50

Percent Solids: 97.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Toluene	**0.00039**	**J**	0.0010	0.00023	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1
Xylenes, Total	**0.00092**	**J**	0.0020	0.00017	mg/Kg	☼	01/29/25 11:12	02/01/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*01/29/25 11:12*	*02/01/25 12:13*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/29/25 11:12*	*02/01/25 12:13*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*01/29/25 11:12*	*02/01/25 12:13*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:12*	*02/01/25 12:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.5**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**97.5**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12G1_2-3

Lab Sample ID: 460-319408-26

Date Collected: 01/27/25 12:15

Matrix: Solid

Date Received: 01/28/25 14:50

Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U *	0.0011	0.00026	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
2-Hexanone	0.0055	U *	0.0055	0.0019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
4-Methyl-2-pentanone (MIBK)	0.0055	U *	0.0055	0.0017	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Acetone	**0.0069**		0.0066	0.0063	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1

Client Sample ID: 12G1_2-3
Date Collected: 01/27/25 12:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-26
Matrix: Solid
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	01/29/25 11:12	02/01/25 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*01/29/25 11:12*	*02/01/25 12:36*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/29/25 11:12*	*02/01/25 12:36*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:12*	*02/01/25 12:36*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*01/29/25 11:12*	*02/01/25 12:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.4		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	91.6		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12G2_3-4
Date Collected: 01/27/25 12:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-27
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U *	0.00098	0.00023	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00021	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00020	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
2-Hexanone	0.0049	U *	0.0049	0.0017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
4-Methyl-2-pentanone (MIBK)	0.0049	U *	0.0049	0.0015	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Acetone	**0.0057**	**J**	0.0059	0.0056	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Benzene	0.00098	U	0.00098	0.00025	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chlorobenzene	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chlorobromomethane	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chlorodibromomethane	0.00098	U	0.00098	0.00019	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Chloromethane	0.00098	U	0.00098	0.00042	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Ethylbenzene	0.00098	U	0.00098	0.00019	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Ethylene Dibromide	0.00098	U	0.00098	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
N-Propylbenzene	0.00098	U	0.00098	0.00017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
o-Xylene	0.00098	U	0.00098	0.00019	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1

Client Sample ID: 12G2_3-4

Lab Sample ID: 460-319408-27

Date Collected: 01/27/25 12:20
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	01/29/25 11:13	02/01/25 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*01/29/25 11:13*	*02/01/25 12:59*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*01/29/25 11:13*	*02/01/25 12:59*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:13*	*02/01/25 12:59*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:13*	*02/01/25 12:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12G2_6-7

Lab Sample ID: 460-319408-28

Date Collected: 01/27/25 12:25
Matrix: Solid
Date Received: 01/28/25 14:50
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U *	0.0010	0.00024	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
2-Hexanone	0.0051	U *	0.0051	0.0018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
4-Methyl-2-pentanone (MIBK)	0.0051	U *	0.0051	0.0016	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Acetone	**0.035**		0.0062	0.0059	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Benzene	**0.0011**		0.0010	0.00026	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1

Client Sample ID: 12G2_6-7
Date Collected: 01/27/25 12:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-28
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	01/29/25 11:13	02/01/25 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*01/29/25 11:13*	*02/01/25 13:22*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*01/29/25 11:13*	*02/01/25 13:22*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*01/29/25 11:13*	*02/01/25 13:22*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*01/29/25 11:13*	*02/01/25 13:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.5		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	91.5		1.0	1.0	%			01/30/25 06:14	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12G3_1-2
Date Collected: 01/27/25 12:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-29
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00069	U *	0.00069	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,1,2,2-Tetrachloroethane	0.00069	U	0.00069	0.00015	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00069	U	0.00069	0.00021	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,1,2-Trichloroethane	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,1-Dichloroethane	0.00069	U	0.00069	0.00014	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,1-Dichloroethene	0.00069	U	0.00069	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2,3-Trichlorobenzene	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2,4-Trichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2,4-Trimethylbenzene	0.00069	U	0.00069	0.00017	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2-Dibromo-3-Chloropropane	0.00069	U	0.00069	0.00032	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2-Dichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2-Dichloroethane	0.00069	U	0.00069	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,2-Dichloropropane	0.00069	U	0.00069	0.00029	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,3,5-Trimethylbenzene	0.00069	U	0.00069	0.00022	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,3-Dichlorobenzene	0.00069	U	0.00069	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
1,4-Dichlorobenzene	0.00069	U	0.00069	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
2-Butanone (MEK)	0.0034	U	0.0034	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
2-Hexanone	0.0034	U *	0.0034	0.0012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
4-Methyl-2-pentanone (MIBK)	0.0034	U *	0.0034	0.0011	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Acetone	**0.019**		0.0041	0.0039	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Benzene	**0.0015**		0.00069	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Bromoform	0.00069	U	0.00069	0.00029	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Bromomethane	0.0014	U	0.0014	0.00069	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Carbon disulfide	0.00069	U	0.00069	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Carbon tetrachloride	0.00069	U	0.00069	0.00027	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chlorobenzene	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chlorobromomethane	0.00069	U	0.00069	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chlorodibromomethane	0.00069	U	0.00069	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chloroethane	0.00069	U	0.00069	0.00036	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chloroform	0.00069	U	0.00069	0.00067	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Chloromethane	0.00069	U	0.00069	0.00030	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
cis-1,2-Dichloroethene	0.00069	U	0.00069	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
cis-1,3-Dichloropropene	0.00069	U	0.00069	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Cyclohexane	**0.0059**		0.00069	0.00015	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Dichlorobromomethane	0.00069	U	0.00069	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Dichlorodifluoromethane	0.00069	U	0.00069	0.00023	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Ethylbenzene	0.00069	U	0.00069	0.00014	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Ethylene Dibromide	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Isopropylbenzene	0.00069	U	0.00069	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Methyl acetate	0.0034	U	0.0034	0.0030	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Methyl tert-butyl ether	0.00069	U	0.00069	0.00035	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Methylcyclohexane	**0.0040**		0.00069	0.00034	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Methylene Chloride	0.0014	U	0.0014	0.00079	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
m-Xylene & p-Xylene	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
n-Butylbenzene	0.00069	U	0.00069	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
N-Propylbenzene	0.00069	U	0.00069	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
o-Xylene	0.00069	U	0.00069	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
sec-Butylbenzene	0.00069	U	0.00069	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Styrene	0.00069	U	0.00069	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1

Client Sample ID: 12G3_1-2

Lab Sample ID: 460-319408-29

Date Collected: 01/27/25 12:30
Date Received: 01/28/25 14:50

Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00069	U	0.00069	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Tetrachloroethene	0.00069	U	0.00069	0.00021	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Toluene	**0.00017**	**J**	0.00069	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
trans-1,2-Dichloroethene	0.00069	U	0.00069	0.00017	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
trans-1,3-Dichloropropene	0.00069	U	0.00069	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Trichloroethene	0.00069	U	0.00069	0.00022	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Trichlorofluoromethane	0.00069	U	0.00069	0.00028	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Vinyl chloride	0.00069	U	0.00069	0.00038	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1
Xylenes, Total	0.0014	U	0.0014	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*01/29/25 11:14*	*02/01/25 13:45*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*01/29/25 11:14*	*02/01/25 13:45*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*01/29/25 11:14*	*02/01/25 13:45*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*01/29/25 11:14*	*02/01/25 13:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.9**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**92.1**		1.0	1.0	%			01/30/25 06:14	1

Client Sample ID: 12G3_5-6

Lab Sample ID: 460-319408-30

Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00071	U *	0.00071	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,1,2,2-Tetrachloroethane	0.00071	U	0.00071	0.00015	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00071	U	0.00071	0.00021	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,1,2-Trichloroethane	0.00071	U	0.00071	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,1-Dichloroethane	0.00071	U	0.00071	0.00015	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,1-Dichloroethene	0.00071	U	0.00071	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2,3-Trichlorobenzene	0.00071	U	0.00071	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2,4-Trichlorobenzene	0.00071	U	0.00071	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2,4-Trimethylbenzene	0.00071	U	0.00071	0.00017	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2-Dibromo-3-Chloropropane	0.00071	U	0.00071	0.00033	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2-Dichlorobenzene	0.00071	U	0.00071	0.00026	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2-Dichloroethane	0.00071	U	0.00071	0.00021	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,2-Dichloropropane	0.00071	U	0.00071	0.00030	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,3,5-Trimethylbenzene	0.00071	U	0.00071	0.00022	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,3-Dichlorobenzene	0.00071	U	0.00071	0.00026	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
1,4-Dichlorobenzene	0.00071	U	0.00071	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
2-Butanone (MEK)	**0.0048**		0.0035	0.00026	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
2-Hexanone	0.0035	U *	0.0035	0.0012	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
4-Methyl-2-pentanone (MIBK)	0.0035	U *	0.0035	0.0011	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Acetone	**0.035**		0.0042	0.0040	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Benzene	**0.00055**	**J**	0.00071	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Bromoform	0.00071	U	0.00071	0.00030	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Bromomethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1

Client Sample ID: 12G3_5-6
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-30
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00071	U	0.00071	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Carbon tetrachloride	0.00071	U	0.00071	0.00027	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chlorobenzene	0.00071	U	0.00071	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chlorobromomethane	0.00071	U	0.00071	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chlorodibromomethane	0.00071	U	0.00071	0.00014	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chloroethane	0.00071	U	0.00071	0.00037	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chloroform	0.00071	U	0.00071	0.00069	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Chloromethane	0.00071	U	0.00071	0.00031	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
cis-1,2-Dichloroethene	0.00071	U	0.00071	0.00025	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
cis-1,3-Dichloropropene	0.00071	U	0.00071	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Cyclohexane	**0.00043**	**J**	0.00071	0.00016	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Dichlorobromomethane	0.00071	U	0.00071	0.00018	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Dichlorodifluoromethane	0.00071	U	0.00071	0.00024	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Ethylbenzene	0.00071	U	0.00071	0.00014	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Ethylene Dibromide	0.00071	U	0.00071	0.00013	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Isopropylbenzene	0.00071	U	0.00071	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Methyl acetate	0.0035	U	0.0035	0.0030	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Methyl tert-butyl ether	0.00071	U	0.00071	0.00036	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Methylcyclohexane	0.00071	U	0.00071	0.00035	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Methylene Chloride	0.0014	U	0.0014	0.00081	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
m-Xylene & p-Xylene	0.00071	U	0.00071	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
n-Butylbenzene	0.00071	U	0.00071	0.00021	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
N-Propylbenzene	0.00071	U	0.00071	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
o-Xylene	0.00071	U	0.00071	0.00014	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
sec-Butylbenzene	0.00071	U	0.00071	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Styrene	0.00071	U	0.00071	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
tert-Butylbenzene	0.00071	U	0.00071	0.00020	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Tetrachloroethene	0.00071	U	0.00071	0.00022	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Toluene	0.00071	U	0.00071	0.00017	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
trans-1,2-Dichloroethene	0.00071	U	0.00071	0.00017	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
trans-1,3-Dichloropropene	0.00071	U	0.00071	0.00019	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Trichloroethene	0.00071	U	0.00071	0.00023	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Trichlorofluoromethane	0.00071	U	0.00071	0.00029	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Vinyl chloride	0.00071	U	0.00071	0.00039	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1
Xylenes, Total	0.0014	U	0.0014	0.00012	mg/Kg	☼	01/29/25 11:14	02/01/25 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*01/29/25 11:14*	*02/01/25 14:08*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*01/29/25 11:14*	*02/01/25 14:08*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*01/29/25 11:14*	*02/01/25 14:08*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*01/29/25 11:14*	*02/01/25 14:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.0**		1.0	1.0	%			01/30/25 06:14	1
Percent Solids (EPA Moisture)	**90.0**		1.0	1.0	%			01/30/25 06:14	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319408-1	12B1_2-3	101	106	109	94
460-319408-2	12B1_6-7	94	96	101	88
460-319408-3	12B2_2-3	100	102	106	92
460-319408-4	12B2_8-9	103	94	105	85
460-319408-5	12B3_4-5	93	94	98	86
460-319408-6	12C1_1-2	94	95	102	88
460-319408-7	12C1_7-8	99	97	102	87
460-319408-8	12C2_2-3	97	97	101	86
460-319408-9	12C2_4-5	98	97	103	86
460-319408-10	12C2_8-9	96	96	101	86
460-319408-11	12D1_1-2	92	79	100	88
460-319408-12	12D1_5-6	90	80	97	86
460-319408-13	12D2_5-6	102	80	108	91
460-319408-14	12D2_8-9	91	89	101	87
460-319408-15	12D3_3-4	93	96	101	86
460-319408-16	12E1_1-2	98	99	102	87
460-319408-17	12E1_6-7	103	99	101	89
460-319408-18	12E1_9-10	100	98	103	88
460-319408-19	12E2_6-7	103	97	103	89
460-319408-20	12E3_3-4	100	102	106	91
460-319408-21	12F1_2-3	100	104	108	90
460-319408-22	12F1_5-6	92	95	100	83
460-319408-23	12F2_8-9	92	95	101	85
460-319408-24	12F3_1-2	97	97	106	89
460-319408-25	12F3_6-7	91	96	100	87
460-319408-26	12G1_2-3	101	99	106	89
460-319408-27	12G2_3-4	99	96	106	87
460-319408-28	12G2_6-7	99	98	107	87
460-319408-29	12G3_1-2	98	99	106	88
460-319408-30	12G3_5-6	100	101	109	91
LCS 460-1018901/3	Lab Control Sample	87	92	96	84
LCS 460-1019085/3	Lab Control Sample	87	97	98	88
LCS 460-1019170/3	Lab Control Sample	93	96	105	92
LCSD 460-1018901/4	Lab Control Sample Dup	90	93	97	84
LCSD 460-1019085/4	Lab Control Sample Dup	87	95	97	87
LCSD 460-1019170/4	Lab Control Sample Dup	98	93	108	91
MB 460-1018901/7	Method Blank	99	92	115	84
MB 460-1019085/7	Method Blank	88	91	99	86
MB 460-1019170/6	Method Blank	100	94	109	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1018901/7
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 08:17	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/31/25 08:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/31/25 08:17	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 08:17	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			01/31/25 08:17	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 08:17	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 08:17	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 08:17	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			01/31/25 08:17	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			01/31/25 08:17	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 08:17	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			01/31/25 08:17	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			01/31/25 08:17	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			01/31/25 08:17	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			01/31/25 08:17	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 08:17	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			01/31/25 08:17	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			01/31/25 08:17	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			01/31/25 08:17	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			01/31/25 08:17	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			01/31/25 08:17	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			01/31/25 08:17	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			01/31/25 08:17	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 08:17	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			01/31/25 08:17	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 08:17	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 08:17	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			01/31/25 08:17	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			01/31/25 08:17	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			01/31/25 08:17	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			01/31/25 08:17	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			01/31/25 08:17	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 08:17	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			01/31/25 08:17	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			01/31/25 08:17	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			01/31/25 08:17	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			01/31/25 08:17	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 08:17	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 08:17	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			01/31/25 08:17	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			01/31/25 08:17	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			01/31/25 08:17	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			01/31/25 08:17	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			01/31/25 08:17	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 08:17	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			01/31/25 08:17	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			01/31/25 08:17	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			01/31/25 08:17	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1018901/7
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 08:17	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			01/31/25 08:17	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			01/31/25 08:17	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			01/31/25 08:17	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			01/31/25 08:17	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			01/31/25 08:17	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			01/31/25 08:17	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			01/31/25 08:17	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			01/31/25 08:17	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			01/31/25 08:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*		*01/31/25 08:17*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*		*01/31/25 08:17*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*		*01/31/25 08:17*	*1*
Toluene-d8 (Surr)	*84*		*71 - 126*		*01/31/25 08:17*	*1*

Lab Sample ID: LCS 460-1018901/3
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0168		mg/Kg		84	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0231		mg/Kg		115	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200		mg/Kg		100	75 - 121
1,1,2-Trichloroethane	0.0200	0.0209		mg/Kg		104	80 - 120
1,1-Dichloroethane	0.0200	0.0181		mg/Kg		90	72 - 120
1,1-Dichloroethene	0.0200	0.0214		mg/Kg		107	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0203		mg/Kg		101	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0195		mg/Kg		98	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0226		mg/Kg		113	80 - 124
1,2-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 123
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0175		mg/Kg		88	70 - 120
1,3-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
1,4-Dichlorobenzene	0.0200	0.0207		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.0776		mg/Kg		78	64 - 128
2-Hexanone	0.100	0.0725	*	mg/Kg		72	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0736	*	mg/Kg		74	80 - 120
Acetone	0.100	0.0622		mg/Kg		62	58 - 122
Benzene	0.0200	0.0190		mg/Kg		95	75 - 120
Bromoform	0.0200	0.0193		mg/Kg		97	61 - 125
Bromomethane	0.0200	0.0310	*	mg/Kg		155	37 - 150
Carbon disulfide	0.0200	0.0204		mg/Kg		102	57 - 133
Carbon tetrachloride	0.0200	0.0159		mg/Kg		80	66 - 127
Chlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1018901/3
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0233		mg/Kg		116	76 - 127
Chlorodibromomethane	0.0200	0.0186		mg/Kg		93	72 - 120
Chloroethane	0.0200	0.0218		mg/Kg		109	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0207		mg/Kg		103	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		107	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	75 - 120
Cyclohexane	0.0200	0.0208		mg/Kg		104	65 - 132
Dichlorobromomethane	0.0200	0.0184		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0189		mg/Kg		94	45 - 129
Ethylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Ethylene Dibromide	0.0200	0.0203		mg/Kg		102	79 - 120
Isopropylbenzene	0.0200	0.0181		mg/Kg		90	74 - 120
Methyl acetate	0.0400	0.0400		mg/Kg		100	57 - 120
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	74 - 125
Methylcyclohexane	0.0200	0.0202		mg/Kg		101	66 - 125
Methylene Chloride	0.0200	0.0214		mg/Kg		107	78 - 120
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120
n-Butylbenzene	0.0200	0.0192		mg/Kg		96	72 - 120
N-Propylbenzene	0.0200	0.0187		mg/Kg		93	68 - 120
o-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120
sec-Butylbenzene	0.0200	0.0191		mg/Kg		95	78 - 120
Styrene	0.0200	0.0199		mg/Kg		99	80 - 120
tert-Butylbenzene	0.0200	0.0179		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0187		mg/Kg		93	73 - 120
Toluene	0.0200	0.0187		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	77 - 120
Trichloroethene	0.0200	0.0191		mg/Kg		96	80 - 120
Trichlorofluoromethane	0.0200	0.0162		mg/Kg		81	61 - 130
Vinyl chloride	0.0200	0.0256	*	mg/Kg		128	54 - 122
Xylenes, Total	0.0400	0.0378		mg/Kg		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*92*		*71 - 128*
Dibromofluoromethane (Surr)	*96*		*50 - 150*
Toluene-d8 (Surr)	*84*		*71 - 126*

Lab Sample ID: LCSD 460-1018901/4
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0157		mg/Kg		78	78 - 120	7	30
1,1,2,2-Tetrachloroethane	0.0200	0.0231		mg/Kg		116	70 - 133	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0191		mg/Kg		96	75 - 121	4	30
1,1,2-Trichloroethane	0.0200	0.0201		mg/Kg		101	80 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018901/4
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0171		mg/Kg		86	72 - 120	6	30
1,1-Dichloroethene	0.0200	0.0198		mg/Kg		99	76 - 120	8	30
1,2,3-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0195		mg/Kg		98	77 - 136	0	30
1,2,4-Trimethylbenzene	0.0200	0.0171		mg/Kg		86	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0242		mg/Kg		121	80 - 124	7	30
1,2-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0166		mg/Kg		83	70 - 123	4	30
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		91	73 - 124	4	30
1,3,5-Trimethylbenzene	0.0200	0.0166		mg/Kg		83	70 - 120	5	30
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	6	30
2-Butanone (MEK)	0.100	0.0755		mg/Kg		76	64 - 128	3	30
2-Hexanone	0.100	0.0705	*	mg/Kg		71	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0717	*	mg/Kg		72	80 - 120	3	30
Acetone	0.100	0.0640		mg/Kg		64	58 - 122	3	30
Benzene	0.0200	0.0184		mg/Kg		92	75 - 120	3	30
Bromoform	0.0200	0.0202		mg/Kg		101	61 - 125	5	30
Bromomethane	0.0200	0.0278		mg/Kg		139	37 - 150	11	30
Carbon disulfide	0.0200	0.0191		mg/Kg		95	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0150		mg/Kg		75	66 - 127	6	30
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
Chlorobromomethane	0.0200	0.0227		mg/Kg		114	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0180		mg/Kg		90	72 - 120	3	30
Chloroethane	0.0200	0.0177		mg/Kg		88	60 - 123	21	30
Chloroform	0.0200	0.0179		mg/Kg		89	79 - 126	4	30
Chloromethane	0.0200	0.0184		mg/Kg		92	46 - 122	12	30
cis-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	80 - 123	6	30
cis-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		88	75 - 120	4	30
Cyclohexane	0.0200	0.0197		mg/Kg		98	65 - 132	6	30
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	77 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0173		mg/Kg		87	45 - 129	8	30
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
Ethylene Dibromide	0.0200	0.0204		mg/Kg		102	79 - 120	0	30
Isopropylbenzene	0.0200	0.0173		mg/Kg		87	74 - 120	4	30
Methyl acetate	0.0400	0.0431		mg/Kg		108	57 - 120	8	30
Methyl tert-butyl ether	0.0200	0.0198		mg/Kg		99	74 - 125	1	30
Methylcyclohexane	0.0200	0.0193		mg/Kg		96	66 - 125	4	30
Methylene Chloride	0.0200	0.0201		mg/Kg		101	78 - 120	6	30
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120	3	30
n-Butylbenzene	0.0200	0.0181		mg/Kg		90	72 - 120	6	30
N-Propylbenzene	0.0200	0.0176		mg/Kg		88	68 - 120	6	30
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0179		mg/Kg		89	78 - 120	7	30
Styrene	0.0200	0.0190		mg/Kg		95	80 - 120	4	30
tert-Butylbenzene	0.0200	0.0170		mg/Kg		85	80 - 120	5	30
Tetrachloroethene	0.0200	0.0175		mg/Kg		87	73 - 120	7	30
Toluene	0.0200	0.0179		mg/Kg		89	80 - 120	4	30
trans-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	78 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1018901/4
Matrix: Solid
Analysis Batch: 1018901

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0180		mg/Kg		90	77 - 120	2	30
Trichloroethene			0.0200	0.0183		mg/Kg		92	80 - 120	4	30
Trichlorofluoromethane			0.0200	0.0149		mg/Kg		75	61 - 130	9	30
Vinyl chloride			0.0200	0.0218		mg/Kg		109	54 - 122	16	30
Xylenes, Total			0.0400	0.0364		mg/Kg		91	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*
4-Bromofluorobenzene	*93*		*71 - 128*
Dibromofluoromethane (Surr)	*97*		*50 - 150*
Toluene-d8 (Surr)	*84*		*71 - 126*

Lab Sample ID: MB 460-1019085/7
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/01/25 06:52	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/01/25 06:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/01/25 06:52	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/01/25 06:52	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/01/25 06:52	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/01/25 06:52	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/01/25 06:52	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/01/25 06:52	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/01/25 06:52	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/01/25 06:52	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/01/25 06:52	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/01/25 06:52	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/01/25 06:52	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/01/25 06:52	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/01/25 06:52	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/01/25 06:52	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/01/25 06:52	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/01/25 06:52	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/01/25 06:52	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/01/25 06:52	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/01/25 06:52	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/01/25 06:52	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/01/25 06:52	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/01/25 06:52	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/01/25 06:52	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/01/25 06:52	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/01/25 06:52	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/01/25 06:52	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/01/25 06:52	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/01/25 06:52	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/01/25 06:52	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1019085/7
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/01/25 06:52	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/01/25 06:52	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/01/25 06:52	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/01/25 06:52	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/01/25 06:52	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/01/25 06:52	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/01/25 06:52	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/01/25 06:52	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/01/25 06:52	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/01/25 06:52	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/01/25 06:52	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/01/25 06:52	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/01/25 06:52	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/01/25 06:52	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/01/25 06:52	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/01/25 06:52	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/01/25 06:52	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/01/25 06:52	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/01/25 06:52	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/01/25 06:52	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/01/25 06:52	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/01/25 06:52	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/01/25 06:52	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/01/25 06:52	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/01/25 06:52	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/01/25 06:52	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/01/25 06:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*		*02/01/25 06:52*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*		*02/01/25 06:52*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*		*02/01/25 06:52*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*		*02/01/25 06:52*	*1*

Lab Sample ID: LCS 460-1019085/3
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0142	*	mg/Kg		71	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0205		mg/Kg		103	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0182		mg/Kg		91	75 - 121
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		93	80 - 120
1,1-Dichloroethane	0.0200	0.0158		mg/Kg		79	72 - 120
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0183		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0178		mg/Kg		89	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0162		mg/Kg		81	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1019085/3
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0208		mg/Kg		104	80 - 124
1,2-Dichlorobenzene	0.0200	0.0181		mg/Kg		90	80 - 120
1,2-Dichloroethane	0.0200	0.0149		mg/Kg		74	70 - 123
1,2-Dichloropropane	0.0200	0.0171		mg/Kg		86	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0159		mg/Kg		80	70 - 120
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.0706		mg/Kg		71	64 - 128
2-Hexanone	0.100	0.0669	*	mg/Kg		67	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0688	*	mg/Kg		69	80 - 120
Acetone	0.100	0.0627		mg/Kg		63	58 - 122
Benzene	0.0200	0.0176		mg/Kg		88	75 - 120
Bromoform	0.0200	0.0182		mg/Kg		91	61 - 125
Bromomethane	0.0200	0.0255		mg/Kg		127	37 - 150
Carbon disulfide	0.0200	0.0191		mg/Kg		95	57 - 133
Carbon tetrachloride	0.0200	0.0135		mg/Kg		67	66 - 127
Chlorobenzene	0.0200	0.0171		mg/Kg		86	80 - 120
Chlorobromomethane	0.0200	0.0208		mg/Kg		104	76 - 127
Chlorodibromomethane	0.0200	0.0165		mg/Kg		83	72 - 120
Chloroethane	0.0200	0.0177		mg/Kg		88	60 - 123
Chloroform	0.0200	0.0165		mg/Kg		83	79 - 126
Chloromethane	0.0200	0.0160		mg/Kg		80	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0166		mg/Kg		83	75 - 120
Cyclohexane	0.0200	0.0182		mg/Kg		91	65 - 132
Dichlorobromomethane	0.0200	0.0162		mg/Kg		81	77 - 124
Dichlorodifluoromethane	0.0200	0.0152		mg/Kg		76	45 - 129
Ethylbenzene	0.0200	0.0170		mg/Kg		85	80 - 120
Ethylene Dibromide	0.0200	0.0187		mg/Kg		94	79 - 120
Isopropylbenzene	0.0200	0.0159		mg/Kg		80	74 - 120
Methyl acetate	0.0400	0.0386		mg/Kg		97	57 - 120
Methyl tert-butyl ether	0.0200	0.0183		mg/Kg		92	74 - 125
Methylcyclohexane	0.0200	0.0186		mg/Kg		93	66 - 125
Methylene Chloride	0.0200	0.0204		mg/Kg		102	78 - 120
m-Xylene & p-Xylene	0.0200	0.0169		mg/Kg		84	80 - 120
n-Butylbenzene	0.0200	0.0172		mg/Kg		86	72 - 120
N-Propylbenzene	0.0200	0.0169		mg/Kg		84	68 - 120
o-Xylene	0.0200	0.0169		mg/Kg		84	80 - 120
sec-Butylbenzene	0.0200	0.0172		mg/Kg		86	78 - 120
Styrene	0.0200	0.0179		mg/Kg		89	80 - 120
tert-Butylbenzene	0.0200	0.0160		mg/Kg		80	80 - 120
Tetrachloroethene	0.0200	0.0161		mg/Kg		81	73 - 120
Toluene	0.0200	0.0166		mg/Kg		83	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0166		mg/Kg		83	77 - 120
Trichloroethene	0.0200	0.0178		mg/Kg		89	80 - 120
Trichlorofluoromethane	0.0200	0.0141		mg/Kg		70	61 - 130
Vinyl chloride	0.0200	0.0190		mg/Kg		95	54 - 122
Xylenes, Total	0.0400	0.0338		mg/Kg		84	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		65 - 138
4-Bromofluorobenzene	97		71 - 128
Dibromofluoromethane (Surr)	98		50 - 150
Toluene-d8 (Surr)	88		71 - 126

Lab Sample ID: LCSD 460-1019085/4
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0147	*	mg/Kg		74	78 - 120	4	30
1,1,2,2-Tetrachloroethane			0.0200	0.0219		mg/Kg		109	70 - 133	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0176		mg/Kg		88	75 - 121	3	30
1,1,2-Trichloroethane			0.0200	0.0202		mg/Kg		101	80 - 120	8	30
1,1-Dichloroethane			0.0200	0.0164		mg/Kg		82	72 - 120	4	30
1,1-Dichloroethene			0.0200	0.0191		mg/Kg		95	76 - 120	0	30
1,2,3-Trichlorobenzene			0.0200	0.0183		mg/Kg		91	77 - 137	0	30
1,2,4-Trichlorobenzene			0.0200	0.0178		mg/Kg		89	77 - 136	0	30
1,2,4-Trimethylbenzene			0.0200	0.0162		mg/Kg		81	75 - 120	0	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0210		mg/Kg		105	80 - 124	1	30
1,2-Dichlorobenzene			0.0200	0.0182		mg/Kg		91	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0154		mg/Kg		77	70 - 123	4	30
1,2-Dichloropropane			0.0200	0.0174		mg/Kg		87	73 - 124	2	30
1,3,5-Trimethylbenzene			0.0200	0.0161		mg/Kg		81	70 - 120	1	30
1,3-Dichlorobenzene			0.0200	0.0183		mg/Kg		92	80 - 120	0	30
1,4-Dichlorobenzene			0.0200	0.0186		mg/Kg		93	80 - 120	1	30
2-Butanone (MEK)			0.100	0.0715		mg/Kg		72	64 - 128	1	30
2-Hexanone			0.100	0.0660	*	mg/Kg		66	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0670	*	mg/Kg		67	80 - 120	3	30
Acetone			0.100	0.0608		mg/Kg		61	58 - 122	3	30
Benzene			0.0200	0.0190		mg/Kg		95	75 - 120	8	30
Bromoform			0.0200	0.0184		mg/Kg		92	61 - 125	1	30
Bromomethane			0.0200	0.0247		mg/Kg		124	37 - 150	3	30
Carbon disulfide			0.0200	0.0181		mg/Kg		91	57 - 133	5	30
Carbon tetrachloride			0.0200	0.0138		mg/Kg		69	66 - 127	3	30
Chlorobenzene			0.0200	0.0178		mg/Kg		89	80 - 120	4	30
Chlorobromomethane			0.0200	0.0218		mg/Kg		109	76 - 127	5	30
Chlorodibromomethane			0.0200	0.0172		mg/Kg		86	72 - 120	4	30
Chloroethane			0.0200	0.0159		mg/Kg		79	60 - 123	11	30
Chloroform			0.0200	0.0172		mg/Kg		86	79 - 126	4	30
Chloromethane			0.0200	0.0159		mg/Kg		80	46 - 122	1	30
cis-1,2-Dichloroethene			0.0200	0.0192		mg/Kg		96	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0178		mg/Kg		89	75 - 120	6	30
Cyclohexane			0.0200	0.0188		mg/Kg		94	65 - 132	3	30
Dichlorobromomethane			0.0200	0.0163		mg/Kg		82	77 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0153		mg/Kg		77	45 - 129	1	30
Ethylbenzene			0.0200	0.0176		mg/Kg		88	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0195		mg/Kg		97	79 - 120	4	30
Isopropylbenzene			0.0200	0.0165		mg/Kg		83	74 - 120	4	30
Methyl acetate			0.0400	0.0381		mg/Kg		95	57 - 120	1	30
Methyl tert-butyl ether			0.0200	0.0184		mg/Kg		92	74 - 125	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1019085/4
Matrix: Solid
Analysis Batch: 1019085

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0183		mg/Kg		92	66 - 125	1	30
Methylene Chloride			0.0200	0.0195		mg/Kg		98	78 - 120	5	30
m-Xylene & p-Xylene			0.0200	0.0174		mg/Kg		87	80 - 120	3	30
n-Butylbenzene			0.0200	0.0175		mg/Kg		87	72 - 120	2	30
N-Propylbenzene			0.0200	0.0169		mg/Kg		85	68 - 120	0	30
o-Xylene			0.0200	0.0176		mg/Kg		88	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0174		mg/Kg		87	78 - 120	1	30
Styrene			0.0200	0.0183		mg/Kg		91	80 - 120	2	30
tert-Butylbenzene			0.0200	0.0161		mg/Kg		81	80 - 120	1	30
Tetrachloroethene			0.0200	0.0165		mg/Kg		83	73 - 120	2	30
Toluene			0.0200	0.0173		mg/Kg		86	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0191		mg/Kg		95	78 - 120	0	30
trans-1,3-Dichloropropene			0.0200	0.0167		mg/Kg		84	77 - 120	1	30
Trichloroethene			0.0200	0.0175		mg/Kg		88	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0126		mg/Kg		63	61 - 130	11	30
Vinyl chloride			0.0200	0.0190		mg/Kg		95	54 - 122	0	30
Xylenes, Total			0.0400	0.0350		mg/Kg		88	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*95*		*71 - 128*
Dibromofluoromethane (Surr)	*97*		*50 - 150*
Toluene-d8 (Surr)	*87*		*71 - 126*

Lab Sample ID: MB 460-1019170/6
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/02/25 03:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/02/25 03:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/02/25 03:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/02/25 03:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/02/25 03:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/02/25 03:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/02/25 03:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/02/25 03:10	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/02/25 03:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/02/25 03:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/02/25 03:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/02/25 03:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/02/25 03:10	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/02/25 03:10	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/02/25 03:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/02/25 03:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/02/25 03:10	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/02/25 03:10	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/02/25 03:10	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1019170/6
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/02/25 03:10	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/02/25 03:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/02/25 03:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/02/25 03:10	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/02/25 03:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/02/25 03:10	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/02/25 03:10	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/02/25 03:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/02/25 03:10	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/02/25 03:10	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/02/25 03:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/02/25 03:10	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/02/25 03:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/02/25 03:10	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/02/25 03:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/02/25 03:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/02/25 03:10	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/02/25 03:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/02/25 03:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/02/25 03:10	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/02/25 03:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/02/25 03:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/02/25 03:10	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/02/25 03:10	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/02/25 03:10	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/02/25 03:10	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/02/25 03:10	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/02/25 03:10	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/02/25 03:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/02/25 03:10	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/02/25 03:10	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/02/25 03:10	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/02/25 03:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/02/25 03:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/02/25 03:10	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/02/25 03:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/02/25 03:10	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/02/25 03:10	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/02/25 03:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*		*02/02/25 03:10*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*		*02/02/25 03:10*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*		*02/02/25 03:10*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/02/25 03:10*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1019170/3
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0157		mg/Kg		79	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0228		mg/Kg		114	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0211		mg/Kg		106	75 - 121
1,1,2-Trichloroethane	0.0200	0.0206		mg/Kg		103	80 - 120
1,1-Dichloroethane	0.0200	0.0187		mg/Kg		93	72 - 120
1,1-Dichloroethene	0.0200	0.0224		mg/Kg		112	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0187		mg/Kg		94	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0178		mg/Kg		89	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0162		mg/Kg		81	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0229		mg/Kg		115	80 - 124
1,2-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
1,2-Dichloroethane	0.0200	0.0165		mg/Kg		83	70 - 123
1,2-Dichloropropane	0.0200	0.0194		mg/Kg		97	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0163		mg/Kg		81	70 - 120
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
1,4-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0787		mg/Kg		79	64 - 128
2-Hexanone	0.100	0.0734	*	mg/Kg		73	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0730	*	mg/Kg		73	80 - 120
Acetone	0.100	0.0703		mg/Kg		70	58 - 122
Benzene	0.0200	0.0189		mg/Kg		95	75 - 120
Bromoform	0.0200	0.0193		mg/Kg		96	61 - 125
Bromomethane	0.0200	0.0304	*	mg/Kg		152	37 - 150
Carbon disulfide	0.0200	0.0222		mg/Kg		111	57 - 133
Carbon tetrachloride	0.0200	0.0153		mg/Kg		77	66 - 127
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0233		mg/Kg		116	76 - 127
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	72 - 120
Chloroethane	0.0200	0.0213		mg/Kg		107	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0197		mg/Kg		99	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0214		mg/Kg		107	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		94	75 - 120
Cyclohexane	0.0200	0.0204		mg/Kg		102	65 - 132
Dichlorobromomethane	0.0200	0.0184		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0193		mg/Kg		96	45 - 129
Ethylbenzene	0.0200	0.0181		mg/Kg		90	80 - 120
Ethylene Dibromide	0.0200	0.0201		mg/Kg		101	79 - 120
Isopropylbenzene	0.0200	0.0166		mg/Kg		83	74 - 120
Methyl acetate	0.0400	0.0436		mg/Kg		109	57 - 120
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	74 - 125
Methylcyclohexane	0.0200	0.0193		mg/Kg		96	66 - 125
Methylene Chloride	0.0200	0.0218		mg/Kg		109	78 - 120
m-Xylene & p-Xylene	0.0200	0.0175		mg/Kg		88	80 - 120
n-Butylbenzene	0.0200	0.0172		mg/Kg		86	72 - 120
N-Propylbenzene	0.0200	0.0172		mg/Kg		86	68 - 120
o-Xylene	0.0200	0.0183		mg/Kg		92	80 - 120
sec-Butylbenzene	0.0200	0.0169		mg/Kg		85	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1019170/3
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	0.0200	0.0189		mg/Kg		95	80 - 120
tert-Butylbenzene	0.0200	0.0161		mg/Kg		80	80 - 120
Tetrachloroethene	0.0200	0.0168		mg/Kg		84	73 - 120
Toluene	0.0200	0.0182		mg/Kg		91	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0215		mg/Kg		108	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0181		mg/Kg		90	77 - 120
Trichloroethene	0.0200	0.0194		mg/Kg		97	80 - 120
Trichlorofluoromethane	0.0200	0.0164		mg/Kg		82	61 - 130
Vinyl chloride	0.0200	0.0233		mg/Kg		116	54 - 122
Xylenes, Total	0.0400	0.0359		mg/Kg		90	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
Toluene-d8 (Surr)	*92*		*71 - 126*

Lab Sample ID: LCSD 460-1019170/4
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0158		mg/Kg		79	78 - 120	1	30
1,1,2,2-Tetrachloroethane	0.0200	0.0221		mg/Kg		111	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0218		mg/Kg		109	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0209		mg/Kg		105	80 - 120	2	30
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0234		mg/Kg		117	76 - 120	4	30
1,2,3-Trichlorobenzene	0.0200	0.0179		mg/Kg		89	77 - 137	4	30
1,2,4-Trichlorobenzene	0.0200	0.0171		mg/Kg		85	77 - 136	4	30
1,2,4-Trimethylbenzene	0.0200	0.0159		mg/Kg		79	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0221		mg/Kg		111	80 - 124	4	30
1,2-Dichlorobenzene	0.0200	0.0179		mg/Kg		90	80 - 120	5	30
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 123	4	30
1,2-Dichloropropane	0.0200	0.0200		mg/Kg		100	73 - 124	3	30
1,3,5-Trimethylbenzene	0.0200	0.0157		mg/Kg		79	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	3	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	4	30
2-Butanone (MEK)	0.100	0.0747		mg/Kg		75	64 - 128	5	30
2-Hexanone	0.100	0.0721	*	mg/Kg		72	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0712	*	mg/Kg		71	80 - 120	2	30
Acetone	0.100	0.0717		mg/Kg		72	58 - 122	2	30
Benzene	0.0200	0.0192		mg/Kg		96	75 - 120	2	30
Bromoform	0.0200	0.0194		mg/Kg		97	61 - 125	1	30
Bromomethane	0.0200	0.0328	*	mg/Kg		164	37 - 150	7	30
Carbon disulfide	0.0200	0.0223		mg/Kg		112	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0156		mg/Kg		78	66 - 127	1	30
Chlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1019170/4
Matrix: Solid
Analysis Batch: 1019170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane	0.0200	0.0241		mg/Kg		121	76 - 127	4	30
Chlorodibromomethane	0.0200	0.0179		mg/Kg		90	72 - 120	1	30
Chloroethane	0.0200	0.0225		mg/Kg		112	60 - 123	5	30
Chloroform	0.0200	0.0184		mg/Kg		92	79 - 126	1	30
Chloromethane	0.0200	0.0211		mg/Kg		106	46 - 122	7	30
cis-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	75 - 120	3	30
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132	1	30
Dichlorobromomethane	0.0200	0.0185		mg/Kg		93	77 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0200		mg/Kg		100	45 - 129	3	30
Ethylbenzene	0.0200	0.0180		mg/Kg		90	80 - 120	1	30
Ethylene Dibromide	0.0200	0.0207		mg/Kg		103	79 - 120	3	30
Isopropylbenzene	0.0200	0.0162		mg/Kg		81	74 - 120	2	30
Methyl acetate	0.0400	0.0458		mg/Kg		115	57 - 120	5	30
Methyl tert-butyl ether	0.0200	0.0220		mg/Kg		110	74 - 125	10	30
Methylcyclohexane	0.0200	0.0197		mg/Kg		98	66 - 125	2	30
Methylene Chloride	0.0200	0.0227		mg/Kg		114	78 - 120	4	30
m-Xylene & p-Xylene	0.0200	0.0176		mg/Kg		88	80 - 120	0	30
n-Butylbenzene	0.0200	0.0162		mg/Kg		81	72 - 120	6	30
N-Propylbenzene	0.0200	0.0167		mg/Kg		83	68 - 120	3	30
o-Xylene	0.0200	0.0180		mg/Kg		90	80 - 120	2	30
sec-Butylbenzene	0.0200	0.0162		mg/Kg		81	78 - 120	5	30
Styrene	0.0200	0.0190		mg/Kg		95	80 - 120	0	30
tert-Butylbenzene	0.0200	0.0156	*	mg/Kg		78	80 - 120	3	30
Tetrachloroethene	0.0200	0.0171		mg/Kg		85	73 - 120	1	30
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0233		mg/Kg		116	78 - 120	8	30
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	77 - 120	1	30
Trichloroethene	0.0200	0.0194		mg/Kg		97	80 - 120	0	30
Trichlorofluoromethane	0.0200	0.0170		mg/Kg		85	61 - 130	4	30
Vinyl chloride	0.0200	0.0251	*	mg/Kg		125	54 - 122	7	30
Xylenes, Total	0.0400	0.0356		mg/Kg		89	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*
4-Bromofluorobenzene	*93*		*71 - 128*
Dibromofluoromethane (Surr)	*108*		*50 - 150*
Toluene-d8 (Surr)	*91*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319398-A-2 DU
Matrix: Solid
Analysis Batch: 1018719

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	1.0	U	2.4		%		NC	20
Percent Solids	99.5		97.6		%		2	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-319398-A-4 DU
Matrix: Solid
Analysis Batch: 1018719

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.8			7.7		%				13	20
Percent Solids	93.2			92.3		%				1	20

Lab Sample ID: 460-319398-A-5 DU
Matrix: Solid
Analysis Batch: 1018719

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.1			8.7	*	%				52	20
Percent Solids	94.9			91.3		%				4	20

Lab Sample ID: 460-319407-D-10 DU
Matrix: Solid
Analysis Batch: 1018719

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	1.6			3.4	*	%				72	20
Percent Solids	98.4			96.6		%				2	20

GC/MS VOA

Prep Batch: 1018577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-1	12B1_2-3	Total/NA	Solid	5035	
460-319408-2	12B1_6-7	Total/NA	Solid	5035	
460-319408-3	12B2_2-3	Total/NA	Solid	5035	
460-319408-4	12B2_8-9	Total/NA	Solid	5035	
460-319408-5	12B3_4-5	Total/NA	Solid	5035	
460-319408-6	12C1_1-2	Total/NA	Solid	5035	
460-319408-7	12C1_7-8	Total/NA	Solid	5035	
460-319408-8	12C2_2-3	Total/NA	Solid	5035	
460-319408-9	12C2_4-5	Total/NA	Solid	5035	
460-319408-10	12C2_8-9	Total/NA	Solid	5035	
460-319408-11	12D1_1-2	Total/NA	Solid	5035	
460-319408-12	12D1_5-6	Total/NA	Solid	5035	
460-319408-13	12D2_5-6	Total/NA	Solid	5035	
460-319408-14	12D2_8-9	Total/NA	Solid	5035	
460-319408-15	12D3_3-4	Total/NA	Solid	5035	
460-319408-16	12E1_1-2	Total/NA	Solid	5035	
460-319408-17	12E1_6-7	Total/NA	Solid	5035	
460-319408-18	12E1_9-10	Total/NA	Solid	5035	
460-319408-19	12E2_6-7	Total/NA	Solid	5035	
460-319408-20	12E3_3-4	Total/NA	Solid	5035	
460-319408-21	12F1_2-3	Total/NA	Solid	5035	
460-319408-22	12F1_5-6	Total/NA	Solid	5035	
460-319408-23	12F2_8-9	Total/NA	Solid	5035	
460-319408-24	12F3_1-2	Total/NA	Solid	5035	
460-319408-25	12F3_6-7	Total/NA	Solid	5035	
460-319408-26	12G1_2-3	Total/NA	Solid	5035	
460-319408-27	12G2_3-4	Total/NA	Solid	5035	
460-319408-28	12G2_6-7	Total/NA	Solid	5035	
460-319408-29	12G3_1-2	Total/NA	Solid	5035	
460-319408-30	12G3_5-6	Total/NA	Solid	5035	

Analysis Batch: 1018901

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-1	12B1_2-3	Total/NA	Solid	8260D	1018577
460-319408-2	12B1_6-7	Total/NA	Solid	8260D	1018577
460-319408-3	12B2_2-3	Total/NA	Solid	8260D	1018577
460-319408-5	12B3_4-5	Total/NA	Solid	8260D	1018577
460-319408-6	12C1_1-2	Total/NA	Solid	8260D	1018577
460-319408-7	12C1_7-8	Total/NA	Solid	8260D	1018577
460-319408-8	12C2_2-3	Total/NA	Solid	8260D	1018577
460-319408-9	12C2_4-5	Total/NA	Solid	8260D	1018577
460-319408-10	12C2_8-9	Total/NA	Solid	8260D	1018577
460-319408-11	12D1_1-2	Total/NA	Solid	8260D	1018577
460-319408-12	12D1_5-6	Total/NA	Solid	8260D	1018577
460-319408-15	12D3_3-4	Total/NA	Solid	8260D	1018577
460-319408-16	12E1_1-2	Total/NA	Solid	8260D	1018577
MB 460-1018901/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1018901/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1018901/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS VOA

Analysis Batch: 1019085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-4	12B2_8-9	Total/NA	Solid	8260D	1018577
460-319408-14	12D2_8-9	Total/NA	Solid	8260D	1018577
460-319408-17	12E1_6-7	Total/NA	Solid	8260D	1018577
460-319408-18	12E1_9-10	Total/NA	Solid	8260D	1018577
460-319408-19	12E2_6-7	Total/NA	Solid	8260D	1018577
460-319408-20	12E3_3-4	Total/NA	Solid	8260D	1018577
460-319408-21	12F1_2-3	Total/NA	Solid	8260D	1018577
460-319408-22	12F1_5-6	Total/NA	Solid	8260D	1018577
460-319408-23	12F2_8-9	Total/NA	Solid	8260D	1018577
460-319408-24	12F3_1-2	Total/NA	Solid	8260D	1018577
460-319408-25	12F3_6-7	Total/NA	Solid	8260D	1018577
460-319408-26	12G1_2-3	Total/NA	Solid	8260D	1018577
460-319408-27	12G2_3-4	Total/NA	Solid	8260D	1018577
460-319408-28	12G2_6-7	Total/NA	Solid	8260D	1018577
460-319408-29	12G3_1-2	Total/NA	Solid	8260D	1018577
460-319408-30	12G3_5-6	Total/NA	Solid	8260D	1018577
MB 460-1019085/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1019085/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1019085/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1019170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-13	12D2_5-6	Total/NA	Solid	8260D	1018577
MB 460-1019170/6	Method Blank	Total/NA	Solid	8260D	
LCS 460-1019170/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1019170/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1018719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-1	12B1_2-3	Total/NA	Solid	Moisture	
460-319408-2	12B1_6-7	Total/NA	Solid	Moisture	
460-319408-3	12B2_2-3	Total/NA	Solid	Moisture	
460-319408-4	12B2_8-9	Total/NA	Solid	Moisture	
460-319408-5	12B3_4-5	Total/NA	Solid	Moisture	
460-319408-6	12C1_1-2	Total/NA	Solid	Moisture	
460-319408-7	12C1_7-8	Total/NA	Solid	Moisture	
460-319408-8	12C2_2-3	Total/NA	Solid	Moisture	
460-319408-9	12C2_4-5	Total/NA	Solid	Moisture	
460-319408-10	12C2_8-9	Total/NA	Solid	Moisture	
460-319408-11	12D1_1-2	Total/NA	Solid	Moisture	
460-319408-12	12D1_5-6	Total/NA	Solid	Moisture	
460-319408-13	12D2_5-6	Total/NA	Solid	Moisture	
460-319408-14	12D2_8-9	Total/NA	Solid	Moisture	
460-319408-15	12D3_3-4	Total/NA	Solid	Moisture	
460-319408-16	12E1_1-2	Total/NA	Solid	Moisture	
460-319408-17	12E1_6-7	Total/NA	Solid	Moisture	
460-319408-18	12E1_9-10	Total/NA	Solid	Moisture	
460-319408-19	12E2_6-7	Total/NA	Solid	Moisture	
460-319408-20	12E3_3-4	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1018719 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319408-21	12F1_2-3	Total/NA	Solid	Moisture	
460-319408-22	12F1_5-6	Total/NA	Solid	Moisture	
460-319408-23	12F2_8-9	Total/NA	Solid	Moisture	
460-319408-24	12F3_1-2	Total/NA	Solid	Moisture	
460-319408-25	12F3_6-7	Total/NA	Solid	Moisture	
460-319408-26	12G1_2-3	Total/NA	Solid	Moisture	
460-319408-27	12G2_3-4	Total/NA	Solid	Moisture	
460-319408-28	12G2_6-7	Total/NA	Solid	Moisture	
460-319408-29	12G3_1-2	Total/NA	Solid	Moisture	
460-319408-30	12G3_5-6	Total/NA	Solid	Moisture	
460-319398-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319398-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319398-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-319398-A-4 DU	Duplicate	Total/NA	Solid	Moisture	
460-319398-A-5 DU	Duplicate	Total/NA	Solid	Moisture	
460-319407-D-10 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: 12B1_2-3
Date Collected: 01/27/25 10:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12B1_2-3
Date Collected: 01/27/25 10:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-1
Matrix: Solid
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:02
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 11:23

Client Sample ID: 12B1_6-7
Date Collected: 01/27/25 10:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12B1_6-7
Date Collected: 01/27/25 10:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-2
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:02
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 11:46

Client Sample ID: 12B2_2-3
Date Collected: 01/27/25 10:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12B2_2-3
Date Collected: 01/27/25 10:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-3
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:02
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 12:09

Client Sample ID: 12B2_8-9
Date Collected: 01/27/25 10:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12B2_8-9
Date Collected: 01/27/25 10:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-4
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:03
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 07:39

Client Sample ID: 12B3_4-5
Date Collected: 01/27/25 10:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12B3_4-5
Date Collected: 01/27/25 10:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-5
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:03
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 12:55

Client Sample ID: 12C1_1-2
Date Collected: 01/27/25 10:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12C1_1-2
Date Collected: 01/27/25 10:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-6
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:04
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 13:18

Client Sample ID: 12C1_7-8
Date Collected: 01/27/25 10:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C1_7-8
Date Collected: 01/27/25 10:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-7
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:04
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 13:41

Client Sample ID: 12C2_2-3
Date Collected: 01/27/25 10:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12C2_2-3
Date Collected: 01/27/25 10:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-8
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:05
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 14:04

Client Sample ID: 12C2_4-5
Date Collected: 01/27/25 10:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12C2_4-5
Date Collected: 01/27/25 10:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-9
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:05
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 14:26

Client Sample ID: 12C2_8-9
Date Collected: 01/27/25 10:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12C2_8-9
Date Collected: 01/27/25 10:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-10
Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:05
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 14:49

Client Sample ID: 12D1_1-2
Date Collected: 01/27/25 10:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12D1_1-2
Date Collected: 01/27/25 10:50
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-11
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:06
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 15:58

Client Sample ID: 12D1_5-6
Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12D1_5-6
Date Collected: 01/27/25 10:55
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-12
Matrix: Solid
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:06
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 16:21

Client Sample ID: 12D2_5-6
Date Collected: 01/27/25 11:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12D2_5-6
Date Collected: 01/27/25 11:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-13
Matrix: Solid
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:07
Total/NA	Analysis	8260D		1	1019170	AAT	EET EDI	02/02/25 04:19

Client Sample ID: 12D2_8-9
Date Collected: 01/27/25 11:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12D2_8-9
Date Collected: 01/27/25 11:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-14
Matrix: Solid
Percent Solids: 98.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:07
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 16:03

Client Sample ID: 12D3_3-4
Date Collected: 01/27/25 11:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12D3_3-4
Date Collected: 01/27/25 11:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-15
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:08
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 15:12

Client Sample ID: 12E1_1-2
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12E1_1-2
Date Collected: 01/27/25 11:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-16
Matrix: Solid
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:08
Total/NA	Analysis	8260D		1	1018901	AAT	EET EDI	01/31/25 15:35

Client Sample ID: 12E1_6-7
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12E1_6-7
Date Collected: 01/27/25 11:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-17
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:08
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 09:32

Client Sample ID: 12E1_9-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12E1_9-10
Date Collected: 01/27/25 11:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-18
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:09
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 09:55

Client Sample ID: 12E2_6-7
Date Collected: 01/27/25 11:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12E2_6-7
Date Collected: 01/27/25 11:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-19
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:09
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 10:18

Client Sample ID: 12E3_3-4
Date Collected: 01/27/25 11:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12E3_3-4
Date Collected: 01/27/25 11:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-20
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:10
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 10:41

Client Sample ID: 12F1_2-3
Date Collected: 01/27/25 11:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12F1_2-3
Date Collected: 01/27/25 11:40
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-21
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:10
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 11:04

Client Sample ID: 12F1_5-6
Date Collected: 01/27/25 11:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12F1_5-6
Date Collected: 01/27/25 11:45
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-22
Matrix: Solid
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:11
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 11:27

Client Sample ID: 12F2_8-9
Date Collected: 01/27/25 12:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12F2_8-9
Date Collected: 01/27/25 12:00
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-23
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:11
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 11:50

Client Sample ID: 12F3_1-2
Date Collected: 01/27/25 12:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12F3_1-2
Date Collected: 01/27/25 12:05
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-24
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:11
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 15:17

Client Sample ID: 12F3_6-7
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12F3_6-7
Date Collected: 01/27/25 12:10
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-25
Matrix: Solid
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:12
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 12:13

Client Sample ID: 12G1_2-3
Date Collected: 01/27/25 12:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12G1_2-3
Date Collected: 01/27/25 12:15
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-26
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:12
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 12:36

Client Sample ID: 12G2_3-4
Date Collected: 01/27/25 12:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12G2_3-4
Date Collected: 01/27/25 12:20
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-27
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:13
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 12:59

Client Sample ID: 12G2_6-7
Date Collected: 01/27/25 12:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Client Sample ID: 12G2_6-7
Date Collected: 01/27/25 12:25
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-28
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:13
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 13:22

Client Sample ID: 12G3_1-2
Date Collected: 01/27/25 12:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12G3_1-2
Date Collected: 01/27/25 12:30
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-29
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:14
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 13:45

Client Sample ID: 12G3_5-6
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1018719	MVA	EET EDI	01/30/25 06:14

Client Sample ID: 12G3_5-6
Date Collected: 01/27/25 12:35
Date Received: 01/28/25 14:50

Lab Sample ID: 460-319408-30
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1018577	EMM	EET EDI	01/29/25 11:14
Total/NA	Analysis	8260D		1	1019085	MZS	EET EDI	02/01/25 14:08

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319408-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319408-1	12B1_2-3	Solid	01/27/25 10:00	01/28/25 14:50
460-319408-2	12B1_6-7	Solid	01/27/25 10:05	01/28/25 14:50
460-319408-3	12B2_2-3	Solid	01/27/25 10:10	01/28/25 14:50
460-319408-4	12B2_8-9	Solid	01/27/25 10:15	01/28/25 14:50
460-319408-5	12B3_4-5	Solid	01/27/25 10:20	01/28/25 14:50
460-319408-6	12C1_1-2	Solid	01/27/25 10:25	01/28/25 14:50
460-319408-7	12C1_7-8	Solid	01/27/25 10:30	01/28/25 14:50
460-319408-8	12C2_2-3	Solid	01/27/25 10:35	01/28/25 14:50
460-319408-9	12C2_4-5	Solid	01/27/25 10:40	01/28/25 14:50
460-319408-10	12C2_8-9	Solid	01/27/25 10:45	01/28/25 14:50
460-319408-11	12D1_1-2	Solid	01/27/25 10:50	01/28/25 14:50
460-319408-12	12D1_5-6	Solid	01/27/25 10:55	01/28/25 14:50
460-319408-13	12D2_5-6	Solid	01/27/25 11:00	01/28/25 14:50
460-319408-14	12D2_8-9	Solid	01/27/25 11:05	01/28/25 14:50
460-319408-15	12D3_3-4	Solid	01/27/25 11:10	01/28/25 14:50
460-319408-16	12E1_1-2	Solid	01/27/25 11:15	01/28/25 14:50
460-319408-17	12E1_6-7	Solid	01/27/25 11:20	01/28/25 14:50
460-319408-18	12E1_9-10	Solid	01/27/25 11:25	01/28/25 14:50
460-319408-19	12E2_6-7	Solid	01/27/25 11:30	01/28/25 14:50
460-319408-20	12E3_3-4	Solid	01/27/25 11:35	01/28/25 14:50
460-319408-21	12F1_2-3	Solid	01/27/25 11:40	01/28/25 14:50
460-319408-22	12F1_5-6	Solid	01/27/25 11:45	01/28/25 14:50
460-319408-23	12F2_8-9	Solid	01/27/25 12:00	01/28/25 14:50
460-319408-24	12F3_1-2	Solid	01/27/25 12:05	01/28/25 14:50
460-319408-25	12F3_6-7	Solid	01/27/25 12:10	01/28/25 14:50
460-319408-26	12G1_2-3	Solid	01/27/25 12:15	01/28/25 14:50
460-319408-27	12G2_3-4	Solid	01/27/25 12:20	01/28/25 14:50
460-319408-28	12G2_6-7	Solid	01/27/25 12:25	01/28/25 14:50
460-319408-29	12G3_1-2	Solid	01/27/25 12:30	01/28/25 14:50
460-319408-30	12G3_5-6	Solid	01/27/25 12:35	01/28/25 14:50

Chain of Custody Record

676326 eurofins | Environment Testing America

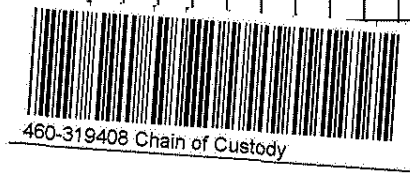
Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Suzanne Bell	Site Contact:	Date: 1/27/25	COC No: 1 of 5 COCs
Company Name: H&A of NY	Tel/Email: SBell@haleyaldrich.com	Lab Contact:	Carrier:	Sampler: DTC
Address: 213 W 35th St	Analysis Turnaround Time (COM)			For Lab Use Only:
City/State/Zip: NY NY 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: SCommisso@haleyaldrich.com	TAT if different from Below _____			Lab Sampling
Fax:	☐ 2 weeks ☑ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.: 319408
Project Name: Dort Mobil				
Site: 4101 Arthur Kill Rd				
PO# D20-0988-000-0016-02				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes.
~~12A1_2-3~~	1/27/25	935	G	S	4			X	~~1~~
~~12A2_6-7~~		940							~~2~~
~~12A3_2-3 KEO~~		945							~~3~~
~~12A3_4-5~~		950							~~4~~
~~12A3_7-8~~		955							~~5~~
12B1_2-3		1000							~~6~~ -1
12B1_6-7		1005							~~7~~ -2
12B2_2-3		1010							~~8~~ -3
12B2_8-9		1015							~~9~~ -4
12B3_4-5		1020							~~10~~ 5
12C1_1-2		1025							~~11~~ 6
12C1_7-8		1030							~~12~~ 7



Preservation Used 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd._____ Corr'd._____ Therm ID No._____			
Relinquished by: Kassidy Oconnor	Company: H&A	Date/Time: 1/28/25 945	Received by:	Company: ECT	Date/Time: 1/29/25
Relinquished by:	Company: ECT 1450	Date/Time: 1/29/25	Received by:	Company: ETA	Date/Time: 1/28/25
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 1450

100 IR#9 20/2.2°C

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2/4/2025

Chain of Custody Record

676327

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Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Suzanne Bell	Site Contact:	Date: 1/27/25	COC No
Company Name: H&A of NY	Tel/Email: Sbell@haleyaldrich.com	Lab Contact:	Carrier:	2 of 3 COCs
Address: 213 W 35th St	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: SCommissd@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: Mbolland@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name: Former Port Mobil	☒ 1 week			
Site: 4101 Arthur Kill Rd	☐ 2 days			Job / SDG No: 519408
PO# 12089988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
12C2_2-3	1/27/25	1035	G	S	4			X	-8
12C2_4-5		1040							-9
12C2_8-9		1045							-10
12D1_1-2		1050							-11
12D1_5-6		1055							-12
12D2_5-6		1100							-13
12D2_8-9		1105							-14
12D3_3-4		1110							-15
12E1_1-2		1115							-16
12E1_6-7		1120							-17
12E1_9-10		1125							-18
12E2_6-7		1130							-19

Preservation Used 1= Ice, 2= HCl, 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd._____ Corr'd._____	Therm ID No._____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Kassidy Oloman	H&A	1/28/25 945		EET	1/28/25 945
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EET	1/28/25 1450		ETA	1/28/25 1450
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

NOC

Page 02 of 05

2/4/2025

1

Chain of Custody Record 762370

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Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Suzanne Bell	Site Contact:	Date: 1/27/25	COC No: 3 of 3 COCs
Company Name: HGA of NY	Tel/Email: Sbell@haleyaldrich	Lab Contact:	Carrier:	Sampler: DTC
Address: 213 W 35th St	Analysis Turnaround Time (COM)			For Lab Use Only:
City/State/Zip: NY NY 10001	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client:
Phone: SCommisso@haleyaldrich	TAT if different from Below _____			Lab Sampling
Fax: mholland@haleyaldrith.com com	☐ 2 weeks			
Project Name: Former Port Mobil	☒ 1 week			Job / SDG No.: 519408
Site: 4101 Arthur Kill Rd	☐ 2 days			
PO #: 020-8988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes.
12E3_3-4	1/27/25	1135	G	S	4			X	-20
12F1_2-3		1140							-21
12F1_5-6		1145							-22
12F2_8-9		~~1150~~ 1200							-23
12F3_1-2		1205							-24
12F3_6-7		1210							-25
12G1_2-3		1215							-26
12G2_3-4		1220							-27
12G2_6-7		1225							-28
12G3_1-2		1230							-29
12G3_5-6		1235							-30
~~12H1_8-9~~ KRO		1240							

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd. _____ Corr'd _____	Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Kassidy Olomm	HGA	1/28/25 945			1/28/25 945
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	ETC 14:50	1/28/25		ETA	1/28/25 1450
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

NOCs

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2/4/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 519403

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.0 °C	2.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date 1/28/25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319408-1

Login Number: 319408
List Number: 1
Creator: Lysy, Susan

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 2/11/2025 2:43:26 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319830-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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2/11/2025 2:43:26 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-319830-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 2/4/2025 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3°C, 0.4°C and 0.5°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 16A2_3-4 (460-319830-1), 16A1_3-4 (460-319830-2), 16A3_5-6 (460-319830-3), 16A3_6-7 (460-319830-4), 16A2_7-8 (460-319830-5), 16B1_8-9 (460-319830-6), 16B3_9-10 (460-319830-7), 16B1_2-3 (460-319830-8), 16B2_3-4 (460-319830-9), 16B3_5-6 (460-319830-10), 16D2_2-3 (460-319830-11), 16D2_7-8 (460-319830-12), 16D1_8-9 (460-319830-13), 16D1_3-4 (460-319830-14), 16D3_4-5 (460-319830-15), 16D3_6-7 (460-319830-16), 16D3_9-10 (460-319830-17), 16E2_6-7 (460-319830-18), 16E1_3-4 (460-319830-19), 16E1_4-5 (460-319830-20), 16E3_3-4 (460-319830-21), 16E2_2-3 (460-319830-22), 16E3_8-9 (460-319830-23), 16E2_9-10 (460-319830-24), 16F3_5-6 (460-319830-25), 16F1_4-5 (460-319830-26), 16F1_6-7 (460-319830-27), 16F2_7-8 (460-319830-28), 16F3_3-4 (460-319830-29), 16F2_2-3 (460-319830-30), 16I1_4-5 (460-319830-31), 16I2_2-3 (460-319830-32), 16I3_8-9 (460-319830-33), 16I1_3-4 (460-319830-34), 16I2_7-8 (460-319830-35), 16I3_1-2 (460-319830-36), 12H3_3-4 (460-319830-37), 12H2_16-17 (460-319830-38), 12H1_12-13 (460-319830-39), 12H3_18-19 (460-319830-40), 12H1_7-8 (460-319830-41), 12H2_2-3 (460-319830-42), 12H1_5-6 (460-319830-43), 12G3_8-9 (460-319830-44), 12G1_2-3 (460-319830-45), 12G2_4-5 (460-319830-46), 12G1_19-20 (460-319830-47), 12G3_3-4 (460-319830-48), 12G2_15-16 (460-319830-49), 12G3_13-14 (460-319830-50), 12J2_3-4 (460-319830-51), 12J1_6-7 (460-319830-52), 12J2_8-9 (460-319830-53), 12J3_4-5 (460-319830-54), 12J1_2-3 (460-319830-55) and DUP_01 (460-319830-56) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 02/04/2025 and analyzed on 02/08/2025 and 02/09/2025.

The continuing calibration verification (CCV) associated with batch 460-1020247 recovered above the upper control limit for Bromomethane and Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1020248 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1020328 was outside the method criteria for the following analyte: Trichlorofluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the

affected analyte is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1020247 recovered outside control limits for the following analyte: Bromomethane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1020248 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane (biased high) and 1,2-Dibromo-3-Chloropropane (biased low). These analytes were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-1020328 recovered outside control limits for the following analyte: trans-1,3-Dichloropropene. This analyte was biased low in the LCS and was not detected in the associated samples; therefore, the data have been reported.

Internal standard (ISTD) response for 1,4-Dioxane-d8 for the following samples in analytical batch 460-1020247 was outside acceptance criteria: 16B2_3-4 (460-319830-9) and 16D3_9-10 (460-319830-17). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

Bromomethane failed the recovery criteria high for LCS 460-1020247/3. 1,1,2-Trichloro-1,2,2-trifluoroethane failed the recovery criteria high for LCS 460-1020248/3. trans-1,3-Dichloropropene failed the recovery criteria low for LCS 460-1020328/3. Bromomethane failed the recovery criteria high for LCSD 460-1020247/4. 1,2-Dibromo-3-Chloropropane failed the recovery criteria low for LCSD 460-1020248/4. Refer to the QC report for details.

Several analytes failed the recovery criteria low for the MS of sample 16D3_9-10MS (460-319830-17) in batch 460-1020247. Bromomethane and Methyl acetate failed the recovery criteria high.

Several analytes failed the recovery criteria low for the MSD of sample 16D3_9-10MSD (460-319830-17) in batch 460-1020247. Bromomethane failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples 16A2_3-4 (460-319830-1), 16A1_3-4 (460-319830-2), 16A3_5-6 (460-319830-3), 16A3_6-7 (460-319830-4), 16A2_7-8 (460-319830-5), 16B1_8-9 (460-319830-6), 16B3_9-10 (460-319830-7), 16B1_2-3 (460-319830-8), 16B2_3-4 (460-319830-9), 16B3_5-6 (460-319830-10), 16D2_2-3 (460-319830-11), 16D2_7-8 (460-319830-12), 16D1_8-9 (460-319830-13), 16D1_3-4 (460-319830-14), 16D3_4-5 (460-319830-15), 16D3_6-7 (460-319830-16), 16D3_9-10 (460-319830-17), 16E2_6-7 (460-319830-18), 16E1_3-4 (460-319830-19), 16E1_4-5 (460-319830-20), 16E3_3-4 (460-319830-21), 16E2_2-3 (460-319830-22), 16E3_8-9 (460-319830-23), 16E2_9-10 (460-319830-24), 16F3_5-6 (460-319830-25), 16F1_4-5 (460-319830-26), 16F1_6-7 (460-319830-27), 16F2_7-8 (460-319830-28), 16F3_3-4 (460-319830-29), 16F2_2-3 (460-319830-30), 16I1_4-5 (460-319830-31), 16I2_2-3 (460-319830-32), 16I3_8-9 (460-319830-33), 16I1_3-4 (460-319830-34), 16I2_7-8 (460-319830-35), 16I3_1-2 (460-319830-36), 12H3_3-4 (460-319830-37), 12H2_16-17 (460-319830-38), 12H1_12-13 (460-319830-39), 12H3_18-19 (460-319830-40), 12H1_7-8 (460-319830-41), 12H2_2-3 (460-319830-42), 12H1_5-6 (460-319830-43), 12G3_8-9 (460-319830-44), 12G1_2-3 (460-319830-45), 12G2_4-5 (460-319830-46), 12G1_19-20 (460-319830-47), 12G3_3-4 (460-319830-48), 12G2_15-16 (460-319830-49), 12G3_13-14 (460-319830-50), 12J2_3-4 (460-319830-51), 12J1_6-7 (460-319830-52), 12J2_8-9 (460-319830-53), 12J3_4-5 (460-319830-54), 12J1_2-3 (460-319830-55) and DUP_01 (460-319830-56) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/05/2025.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A2_3-4 — Lab Sample ID: 460-319830-1

No Detections.

Client Sample ID: 16A1_3-4 — Lab Sample ID: 460-319830-2

No Detections.

Client Sample ID: 16A3_5-6 — Lab Sample ID: 460-319830-3

No Detections.

Client Sample ID: 16A3_6-7 — Lab Sample ID: 460-319830-4

No Detections.

Client Sample ID: 16A2_7-8 — Lab Sample ID: 460-319830-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0059		0.0058	0.0055	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0016	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B1_8-9 — Lab Sample ID: 460-319830-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0019	J	0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B3_9-10 — Lab Sample ID: 460-319830-7

No Detections.

Client Sample ID: 16B1_2-3 — Lab Sample ID: 460-319830-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0022	J	0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B2_3-4 — Lab Sample ID: 460-319830-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0018	J	0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16B3_5-6 — Lab Sample ID: 460-319830-10

No Detections.

Client Sample ID: 16D2_2-3 — Lab Sample ID: 460-319830-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.00097	J	0.0017	0.00097	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16D2_7-8 — Lab Sample ID: 460-319830-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.013		0.0054	0.0052	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00054	J	0.00090	0.00024	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0015	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16D1_8-9 — Lab Sample ID: 460-319830-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0010	J	0.0015	0.00088	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16D1_3-4 — Lab Sample ID: 460-319830-14

No Detections.

Client Sample ID: 16D3_4-5 — Lab Sample ID: 460-319830-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0011	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16D3_6-7 — Lab Sample ID: 460-319830-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	0.0063		0.0039	0.0034	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0012	J	0.0016	0.00090	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16D3_9-10 — Lab Sample ID: 460-319830-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	0.0065		0.0051	0.0044	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0013	J	0.0020	0.0012	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00024	J	0.0010	0.00024	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16E2_6-7 — Lab Sample ID: 460-319830-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.041		0.0071	0.0068	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16E1_3-4 — Lab Sample ID: 460-319830-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0012	J	0.0020	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16E1_4-5 — Lab Sample ID: 460-319830-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0017	J	0.0023	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16E3_3-4 — Lab Sample ID: 460-319830-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.020		0.0078	0.0074	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0025	J	0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16E2_2-3 — Lab Sample ID: 460-319830-22

No Detections.

Client Sample ID: 16E3_8-9 — Lab Sample ID: 460-319830-23

No Detections.

Client Sample ID: 16E2_9-10 — Lab Sample ID: 460-319830-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0012	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16F3_5-6 — Lab Sample ID: 460-319830-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.00087	J	0.0014	0.00082	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16F1_4-5 — Lab Sample ID: 460-319830-26

No Detections.

Client Sample ID: 16F1_6-7 — Lab Sample ID: 460-319830-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.011		0.0045	0.00033	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.060		0.0053	0.0051	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.0017		0.00089	0.00024	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.010		0.00089	0.00018	mg/Kg	1	☼	8260D	Total/NA
Isopropylbenzene	0.0021		0.00089	0.00025	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0012	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00028	J	0.00089	0.00016	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.0016		0.00089	0.00016	mg/Kg	1	☼	8260D	Total/NA
sec-Butylbenzene	0.00034	J	0.00089	0.00026	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00028	J	0.0018	0.00016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16F2_7-8 — Lab Sample ID: 460-319830-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0060		0.0036	0.00026	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.042		0.0043	0.0041	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00090		0.00072	0.00019	mg/Kg	1	☼	8260D	Total/NA
Ethylbenzene	0.016		0.00072	0.00014	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00033	J	0.00072	0.00013	mg/Kg	1	☼	8260D	Total/NA
N-Propylbenzene	0.00036	J	0.00072	0.00013	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00033	J	0.0014	0.00013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16F3_3-4 — Lab Sample ID: 460-319830-29

No Detections.

Client Sample ID: 16F2_2-3 — Lab Sample ID: 460-319830-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.011		0.0062	0.0059	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16I1_4-5 — Lab Sample ID: 460-319830-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0010	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16I2_2-3 — Lab Sample ID: 460-319830-32

No Detections.

Client Sample ID: 16I3_8-9 — Lab Sample ID: 460-319830-33

No Detections.

Client Sample ID: 16I1_3-4 — Lab Sample ID: 460-319830-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0012	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 16I2_7-8 — Lab Sample ID: 460-319830-35

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16I3_1-2 — Lab Sample ID: 460-319830-36

No Detections.

Client Sample ID: 12H3_3-4 — Lab Sample ID: 460-319830-37

No Detections.

Client Sample ID: 12H2_16-17 — Lab Sample ID: 460-319830-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0052		0.0049	0.00036	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.034		0.0059	0.0056	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00068	J	0.00099	0.00026	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0011	J	0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H1_12-13 — Lab Sample ID: 460-319830-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0042	J	0.0047	0.00034	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.033		0.0056	0.0053	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0014	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H3_18-19 — Lab Sample ID: 460-319830-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0011	J	0.0017	0.00097	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H1_7-8 — Lab Sample ID: 460-319830-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0020	J	0.0026	0.0015	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H2_2-3 — Lab Sample ID: 460-319830-42

No Detections.

Client Sample ID: 12H1_5-6 — Lab Sample ID: 460-319830-43

No Detections.

Client Sample ID: 12G3_8-9 — Lab Sample ID: 460-319830-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0015	J	0.0022	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G1_2-3 — Lab Sample ID: 460-319830-45

No Detections.

Client Sample ID: 12G2_4-5 — Lab Sample ID: 460-319830-46

No Detections.

Client Sample ID: 12G1_19-20 — Lab Sample ID: 460-319830-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.00091	J	0.0016	0.00090	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G3_3-4 — Lab Sample ID: 460-319830-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0014	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G2_15-16 — Lab Sample ID: 460-319830-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0024	J	0.0028	0.0016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G3_13-14 — Lab Sample ID: 460-319830-50

No Detections.

Client Sample ID: 12J2_3-4 — Lab Sample ID: 460-319830-51

No Detections.

Client Sample ID: 12J1_6-7 — Lab Sample ID: 460-319830-52

No Detections.

Client Sample ID: 12J2_8-9 — Lab Sample ID: 460-319830-53

No Detections.

Client Sample ID: 12J3_4-5 — Lab Sample ID: 460-319830-54

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0013	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12J1_2-3 — Lab Sample ID: 460-319830-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0018	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: DUP_01 — Lab Sample ID: 460-319830-56

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A2_3-4
Date Collected: 02/03/25 09:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-1
Matrix: Solid
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00031	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U *	0.0015	0.00044	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2-Dibromo-3-Chloropropane	0.0015	U *	0.0015	0.00068	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00062	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00046	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00033	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
2-Butanone (MEK)	0.0074	U	0.0074	0.00054	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
2-Hexanone	0.0074	U	0.0074	0.0025	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
4-Methyl-2-pentanone (MIBK)	0.0074	U	0.0074	0.0023	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Acetone	0.0088	U	0.0088	0.0084	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Benzene	0.0015	U	0.0015	0.00038	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Bromoform	0.0015	U	0.0015	0.00062	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Bromomethane	0.0029	U	0.0029	0.0015	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Carbon disulfide	0.0015	U	0.0015	0.00039	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Carbon tetrachloride	0.0015	U	0.0015	0.00057	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chlorobenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chlorobromomethane	0.0015	U	0.0015	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chlorodibromomethane	0.0015	U	0.0015	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chloroethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chloroform	0.0015	U	0.0015	0.0014	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Chloromethane	0.0015	U	0.0015	0.00064	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00053	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Cyclohexane	0.0015	U	0.0015	0.00032	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Dichlorobromomethane	0.0015	U	0.0015	0.00038	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00050	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Ethylbenzene	0.0015	U	0.0015	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Ethylene Dibromide	0.0015	U	0.0015	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Isopropylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Methyl acetate	0.0074	U	0.0074	0.0063	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00075	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Methylcyclohexane	0.0015	U	0.0015	0.00073	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Methylene Chloride	0.0029	U	0.0029	0.0017	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
n-Butylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
N-Propylbenzene	0.0015	U	0.0015	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
o-Xylene	0.0015	U	0.0015	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
sec-Butylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Styrene	0.0015	U	0.0015	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1

Client Sample ID: 16A2_3-4

Date Collected: 02/03/25 09:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-1

Matrix: Solid
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0015	U	0.0015	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Tetrachloroethene	0.0015	U	0.0015	0.00045	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Toluene	0.0015	U	0.0015	0.00034	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00039	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Trichloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00060	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Vinyl chloride	0.0015	U	0.0015	0.00080	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1
Xylenes, Total	0.0029	U	0.0029	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 21:08*	*02/08/25 10:35*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:08*	*02/08/25 10:35*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 21:08*	*02/08/25 10:35*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:08*	*02/08/25 10:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.4**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**96.6**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16A1_3-4

Date Collected: 02/03/25 09:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-2

Matrix: Solid
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A1_3-4
Date Collected: 02/03/25 09:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-2
Matrix: Solid
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/04/25 21:08	02/08/25 00:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 21:08*	*02/08/25 00:35*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 21:08*	*02/08/25 00:35*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:08*	*02/08/25 00:35*	*1*
Toluene-d8 (Surr)	*85*		*71 - 126*	*02/04/25 21:08*	*02/08/25 00:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.7**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**95.3**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A3_5-6
Date Collected: 02/03/25 09:52
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-3
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00048	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00062	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00057	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
2-Butanone (MEK)	0.0068	U	0.0068	0.00050	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
2-Hexanone	0.0068	U	0.0068	0.0023	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
4-Methyl-2-pentanone (MIBK)	0.0068	U	0.0068	0.0021	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Benzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Bromoform	0.0014	U	0.0014	0.00058	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Bromomethane	0.0027	U	0.0027	0.0014	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Carbon tetrachloride	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chlorobenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chlorobromomethane	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chlorodibromomethane	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chloroethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Chloromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00048	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Ethylbenzene	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Ethylene Dibromide	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Methyl acetate	0.0068	U	0.0068	0.0058	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00069	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Methylcyclohexane	0.0014	U	0.0014	0.00068	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
n-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
N-Propylbenzene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
o-Xylene	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
sec-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1

Client Sample ID: 16A3_5-6

Date Collected: 02/03/25 09:52
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-3

Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Tetrachloroethene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Trichloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00055	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Vinyl chloride	0.0014	U	0.0014	0.00074	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1
Xylenes, Total	0.0027	U	0.0027	0.00024	mg/Kg	☼	02/04/25 21:08	02/08/25 01:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*	*02/04/25 21:08*	*02/08/25 01:00*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:08*	*02/08/25 01:00*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*02/04/25 21:08*	*02/08/25 01:00*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*02/04/25 21:08*	*02/08/25 01:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.1**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**95.9**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16A3_6-7

Date Collected: 02/03/25 09:43
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-4

Matrix: Solid
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00036	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00033	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00046	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00032	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00038	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00071	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00055	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00045	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00065	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00048	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00056	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
2-Butanone (MEK)	0.0077	U	0.0077	0.00056	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
2-Hexanone	0.0077	U	0.0077	0.0026	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
4-Methyl-2-pentanone (MIBK)	0.0077	U	0.0077	0.0024	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Acetone	0.0092	U	0.0092	0.0088	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Benzene	0.0015	U	0.0015	0.00040	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Bromoform	0.0015	U	0.0015	0.00065	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Bromomethane	0.0031	U	0.0031	0.0015	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1

Client Sample ID: 16A3_6-7
Date Collected: 02/03/25 09:43
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-4
Matrix: Solid
Percent Solids: 96.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0015	U	0.0015	0.00041	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Carbon tetrachloride	0.0015	U	0.0015	0.00059	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chlorobenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chlorobromomethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chlorodibromomethane	0.0015	U	0.0015	0.00030	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chloroethane	0.0015	U	0.0015	0.00080	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Chloromethane	0.0015	U	0.0015	0.00067	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00055	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00042	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Cyclohexane	0.0015	U	0.0015	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Dichlorobromomethane	0.0015	U	0.0015	0.00039	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00052	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Ethylbenzene	0.0015	U	0.0015	0.00031	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Ethylene Dibromide	0.0015	U	0.0015	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Isopropylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Methyl acetate	0.0077	U	0.0077	0.0066	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00078	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Methylcyclohexane	0.0015	U	0.0015	0.00076	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Methylene Chloride	0.0031	U	0.0031	0.0018	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
n-Butylbenzene	0.0015	U	0.0015	0.00045	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
N-Propylbenzene	0.0015	U	0.0015	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
o-Xylene	0.0015	U	0.0015	0.00030	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
sec-Butylbenzene	0.0015	U	0.0015	0.00044	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Styrene	0.0015	U	0.0015	0.00043	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
tert-Butylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Tetrachloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Toluene	0.0015	U	0.0015	0.00036	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00038	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00041	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Trichloroethene	0.0015	U	0.0015	0.00049	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00062	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Vinyl chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1
Xylenes, Total	0.0031	U	0.0031	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 21:09*	*02/08/25 01:25*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:09*	*02/08/25 01:25*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 21:09*	*02/08/25 01:25*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:09*	*02/08/25 01:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.4**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**96.6**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A2_7-8
Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-5
Matrix: Solid
Percent Solids: 99.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00021	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00020	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Acetone	**0.0059**		0.0058	0.0055	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Benzene	0.00096	U	0.00096	0.00025	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chlorobromomethane	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chlorodibromomethane	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Ethylbenzene	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Ethylene Dibromide	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Methylene Chloride	**0.0016**	**J**	0.0019	0.0011	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
N-Propylbenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
o-Xylene	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1

Client Sample ID: 16A2_7-8

Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-5

Matrix: Solid
Percent Solids: 99.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Vinyl chloride	0.00096	U	0.00096	0.00052	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/04/25 21:09	02/08/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*	*02/04/25 21:09*	*02/08/25 01:50*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*02/04/25 21:09*	*02/08/25 01:50*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:09*	*02/08/25 01:50*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 21:09*	*02/08/25 01:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**99.0**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16B1_8-9

Date Collected: 02/03/25 10:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-6

Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Bromomethane	0.0026	U *	0.0026	0.0013	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1

Client Sample ID: 16B1_8-9
Date Collected: 02/03/25 10:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-6
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Methylene Chloride	**0.0019**	**J**	0.0026	0.0015	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	02/04/25 21:09	02/08/25 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*02/04/25 21:09*	*02/08/25 10:23*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:09*	*02/08/25 10:23*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:09*	*02/08/25 10:23*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/04/25 21:09*	*02/08/25 10:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.8**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**98.2**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16B3_9-10
Date Collected: 02/03/25 09:59
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-7
Matrix: Solid
Percent Solids: 97.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0016	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Benzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Bromomethane	0.0021	U *	0.0021	0.0011	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Methyl acetate	0.0053	U	0.0053	0.0045	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
N-Propylbenzene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
sec-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Styrene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1

Client Sample ID: 16B3_9-10

Date Collected: 02/03/25 09:59
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-7

Matrix: Solid
Percent Solids: 97.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*02/04/25 21:10*	*02/08/25 10:46*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:10*	*02/08/25 10:46*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*02/04/25 21:10*	*02/08/25 10:46*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/04/25 21:10*	*02/08/25 10:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.1**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**97.9**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16B1_2-3

Date Collected: 02/03/25 09:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-8

Matrix: Solid
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00049	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
2-Hexanone	0.0066	U	0.0066	0.0023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0021	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Acetone	0.0079	U	0.0079	0.0076	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Benzene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Bromomethane	0.0026	U *	0.0026	0.0013	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1

Client Sample ID: 16B1_2-3
Date Collected: 02/03/25 09:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-8
Matrix: Solid
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chlorobromomethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Methylene Chloride	**0.0022**	**J**	0.0026	0.0015	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
sec-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/04/25 21:10*	*02/08/25 11:10*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:10*	*02/08/25 11:10*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:10*	*02/08/25 11:10*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*02/04/25 21:10*	*02/08/25 11:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.2**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**97.8**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16B2_3-4
Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-9
Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00021	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Benzene	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Bromomethane	0.0020	U *	0.0020	0.00099	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chlorobenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chlorobromomethane	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chlorodibromomethane	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Ethylene Dibromide	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Methylene Chloride	**0.0018**	**J**	0.0020	0.0011	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
N-Propylbenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
o-Xylene	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1

Client Sample ID: 16B2_3-4

Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-9

Matrix: Solid
Percent Solids: 98.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/04/25 21:10	02/08/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*02/04/25 21:10*	*02/08/25 11:33*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:10*	*02/08/25 11:33*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:10*	*02/08/25 11:33*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:10*	*02/08/25 11:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.8**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**98.2**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16B3_5-6

Date Collected: 02/03/25 09:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-10

Matrix: Solid
Percent Solids: 98.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Bromomethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1

Client Sample ID: 16B3_5-6
Date Collected: 02/03/25 09:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-10
Matrix: Solid
Percent Solids: 98.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*02/04/25 21:11*	*02/08/25 11:56*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:11*	*02/08/25 11:56*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*02/04/25 21:11*	*02/08/25 11:56*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:11*	*02/08/25 11:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.3**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**98.7**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16D2_2-3
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-11
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Bromomethane	0.0017	U *	0.0017	0.00085	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Ethylbenzene	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Methylene Chloride	**0.00097**	**J**	0.0017	0.00097	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
N-Propylbenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
o-Xylene	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1

Client Sample ID: 16D2_2-3

Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-11

Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/04/25 21:11*	*02/08/25 12:19*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:11*	*02/08/25 12:19*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*02/04/25 21:11*	*02/08/25 12:19*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:11*	*02/08/25 12:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16D2_7-8

Date Collected: 02/03/25 15:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-12

Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00042	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Acetone	**0.013**		0.0054	0.0052	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Benzene	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Bromomethane	0.0018	U *	0.0018	0.00090	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1

Client Sample ID: 16D2_7-8
Date Collected: 02/03/25 15:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-12
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00054**	**J**	0.00090	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chlorobromomethane	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chlorodibromomethane	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chloroform	0.00090	U	0.00090	0.00088	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00031	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Ethylbenzene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Ethylene Dibromide	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Methylene Chloride	**0.0015**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
n-Butylbenzene	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
N-Propylbenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
o-Xylene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Tetrachloroethene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 21:11	02/08/25 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*02/04/25 21:11*	*02/08/25 12:42*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:11*	*02/08/25 12:42*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:11*	*02/08/25 12:42*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:11*	*02/08/25 12:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			02/05/25 20:28	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16D1_8-9
Date Collected: 02/03/25 15:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-13
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00077	U	0.00077	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,1,2,2-Tetrachloroethane	0.00077	U	0.00077	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,1,2-Trichloroethane	0.00077	U	0.00077	0.00014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,1-Dichloroethane	0.00077	U	0.00077	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,1-Dichloroethene	0.00077	U	0.00077	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2,3-Trichlorobenzene	0.00077	U	0.00077	0.00014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2,4-Trichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2,4-Trimethylbenzene	0.00077	U	0.00077	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2-Dibromo-3-Chloropropane	0.00077	U	0.00077	0.00035	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2-Dichloroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,2-Dichloropropane	0.00077	U	0.00077	0.00033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,3,5-Trimethylbenzene	0.00077	U	0.00077	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,3-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
1,4-Dichlorobenzene	0.00077	U	0.00077	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Acetone	0.0046	U	0.0046	0.0044	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Benzene	0.00077	U	0.00077	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Bromoform	0.00077	U	0.00077	0.00033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Bromomethane	0.0015	U *	0.0015	0.00077	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Carbon disulfide	0.00077	U	0.00077	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Carbon tetrachloride	0.00077	U	0.00077	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chlorobenzene	0.00077	U	0.00077	0.00014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chlorobromomethane	0.00077	U	0.00077	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chlorodibromomethane	0.00077	U	0.00077	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chloroform	0.00077	U	0.00077	0.00075	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Chloromethane	0.00077	U	0.00077	0.00033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
cis-1,2-Dichloroethene	0.00077	U	0.00077	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
cis-1,3-Dichloropropene	0.00077	U	0.00077	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Cyclohexane	0.00077	U	0.00077	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Dichlorobromomethane	0.00077	U	0.00077	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Dichlorodifluoromethane	0.00077	U	0.00077	0.00026	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Ethylbenzene	0.00077	U	0.00077	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Ethylene Dibromide	0.00077	U	0.00077	0.00014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Isopropylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Methyl acetate	0.0038	U	0.0038	0.0033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Methyl tert-butyl ether	0.00077	U	0.00077	0.00039	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Methylcyclohexane	0.00077	U	0.00077	0.00038	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Methylene Chloride	**0.0010**	**J**	0.0015	0.00088	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
m-Xylene & p-Xylene	0.00077	U	0.00077	0.00013	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
n-Butylbenzene	0.00077	U	0.00077	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
N-Propylbenzene	0.00077	U	0.00077	0.00013	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
o-Xylene	0.00077	U	0.00077	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
sec-Butylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Styrene	0.00077	U	0.00077	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1

Client Sample ID: 16D1_8-9

Date Collected: 02/03/25 15:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-13

Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00077	U	0.00077	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Tetrachloroethene	0.00077	U	0.00077	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Toluene	0.00077	U	0.00077	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
trans-1,2-Dichloroethene	0.00077	U	0.00077	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
trans-1,3-Dichloropropene	0.00077	U	0.00077	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Trichloroethene	0.00077	U	0.00077	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Trichlorofluoromethane	0.00077	U	0.00077	0.00031	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Vinyl chloride	0.00077	U	0.00077	0.00042	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	02/04/25 21:12	02/08/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*02/04/25 21:12*	*02/08/25 13:05*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:12*	*02/08/25 13:05*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:12*	*02/08/25 13:05*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:12*	*02/08/25 13:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.0**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**91.0**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16D1_3-4

Date Collected: 02/03/25 15:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-14

Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,1,2,2-Tetrachloroethane	0.00084	U	0.00084	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,1,2-Trichloroethane	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,1-Dichloroethane	0.00084	U	0.00084	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,1-Dichloroethene	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2,3-Trichlorobenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2,4-Trichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2,4-Trimethylbenzene	0.00084	U	0.00084	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2-Dibromo-3-Chloropropane	0.00084	U	0.00084	0.00038	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2-Dichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2-Dichloroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,2-Dichloropropane	0.00084	U	0.00084	0.00035	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,3,5-Trimethylbenzene	0.00084	U	0.00084	0.00026	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,3-Dichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
1,4-Dichlorobenzene	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Acetone	0.0050	U	0.0050	0.0048	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Benzene	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Bromoform	0.00084	U	0.00084	0.00036	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Bromomethane	0.0017	U *	0.0017	0.00084	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1

Client Sample ID: 16D1_3-4
Date Collected: 02/03/25 15:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-14
Matrix: Solid
Percent Solids: 95.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Carbon tetrachloride	0.00084	U	0.00084	0.00032	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chlorobenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chlorobromomethane	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chlorodibromomethane	0.00084	U	0.00084	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chloroethane	0.00084	U	0.00084	0.00044	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chloroform	0.00084	U	0.00084	0.00081	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Chloromethane	0.00084	U	0.00084	0.00036	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
cis-1,2-Dichloroethene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
cis-1,3-Dichloropropene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Cyclohexane	0.00084	U	0.00084	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Dichlorobromomethane	0.00084	U	0.00084	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Dichlorodifluoromethane	0.00084	U	0.00084	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Ethylbenzene	0.00084	U	0.00084	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Ethylene Dibromide	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Isopropylbenzene	0.00084	U	0.00084	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Methyl tert-butyl ether	0.00084	U	0.00084	0.00043	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Methylcyclohexane	0.00084	U	0.00084	0.00042	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Methylene Chloride	0.0017	U	0.0017	0.00096	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
m-Xylene & p-Xylene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
n-Butylbenzene	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
N-Propylbenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
o-Xylene	0.00084	U	0.00084	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
sec-Butylbenzene	0.00084	U	0.00084	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Styrene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
tert-Butylbenzene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Tetrachloroethene	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Toluene	0.00084	U	0.00084	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
trans-1,2-Dichloroethene	0.00084	U	0.00084	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
trans-1,3-Dichloropropene	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Trichloroethene	0.00084	U	0.00084	0.00027	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Trichlorofluoromethane	0.00084	U	0.00084	0.00034	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Vinyl chloride	0.00084	U	0.00084	0.00046	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*02/04/25 21:12*	*02/08/25 13:28*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:12*	*02/08/25 13:28*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:12*	*02/08/25 13:28*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/04/25 21:12*	*02/08/25 13:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.9**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**95.1**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16D3_4-5
Date Collected: 02/03/25 15:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-15
Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Benzene	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Bromomethane	0.0018	U *	0.0018	0.00089	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Carbon tetrachloride	0.00089	U	0.00089	0.00035	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chloroform	0.00089	U	0.00089	0.00087	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Ethylbenzene	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Methyl acetate	0.0045	U	0.0045	0.0038	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Methylcyclohexane	0.00089	U	0.00089	0.00045	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Methylene Chloride	**0.0011**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
N-Propylbenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
o-Xylene	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1

Client Sample ID: 16D3_4-5

Lab Sample ID: 460-319830-15

Date Collected: 02/03/25 15:30
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 21:12	02/08/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/04/25 21:12*	*02/08/25 13:51*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:12*	*02/08/25 13:51*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*02/04/25 21:12*	*02/08/25 13:51*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:12*	*02/08/25 13:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.9**		1.0	1.0	%			02/05/25 20:28	1
Percent Solids (EPA Moisture)	**96.1**		1.0	1.0	%			02/05/25 20:28	1

Client Sample ID: 16D3_6-7

Lab Sample ID: 460-319830-16

Date Collected: 02/03/25 15:33
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00017	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00024	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00016	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2,4-Trimethylbenzene	0.00078	U	0.00078	0.00019	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2-Dibromo-3-Chloropropane	0.00078	U	0.00078	0.00036	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00025	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00029	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00029	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Acetone	0.0047	U	0.0047	0.0045	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Benzene	0.00078	U	0.00078	0.00020	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Bromomethane	0.0016	U *	0.0016	0.00078	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1

Client Sample ID: 16D3_6-7

Date Collected: 02/03/25 15:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-16

Matrix: Solid
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chlorobromomethane	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chlorodibromomethane	0.00078	U	0.00078	0.00015	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chloroform	0.00078	U	0.00078	0.00076	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00027	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Ethylbenzene	0.00078	U	0.00078	0.00016	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Ethylene Dibromide	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Methyl acetate	**0.0063**		0.0039	0.0034	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Methylene Chloride	**0.0012**	**J**	0.0016	0.00090	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
m-Xylene & p-Xylene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
N-Propylbenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
o-Xylene	0.00078	U	0.00078	0.00015	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
sec-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
tert-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Toluene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
trans-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Vinyl chloride	0.00078	U	0.00078	0.00043	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	02/04/25 21:13	02/08/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*02/04/25 21:13*	*02/08/25 14:14*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:13*	*02/08/25 14:14*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:13*	*02/08/25 14:14*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/04/25 21:13*	*02/08/25 14:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.4**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**97.6**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16D3_9-10

Date Collected: 02/03/25 15:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-17

Matrix: Solid
Percent Solids: 86.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Bromomethane	0.0020	U *	0.0020	0.0010	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Methyl acetate	**0.0065**		0.0051	0.0044	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Methylene Chloride	**0.0013**	**J**	0.0020	0.0012	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1

Client Sample ID: 16D3_9-10

Lab Sample ID: 460-319830-17

Date Collected: 02/03/25 15:45
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 86.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Toluene	**0.00024**	**J**	0.0010	0.00024	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	02/04/25 21:13	02/08/25 08:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/04/25 21:13*	*02/08/25 08:05*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*	*02/04/25 21:13*	*02/08/25 08:05*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*02/04/25 21:13*	*02/08/25 08:05*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*02/04/25 21:13*	*02/08/25 08:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.8**		1.0	1.0	%			02/05/25 21:26	1
Percent Solids (EPA Moisture)	**86.2**		1.0	1.0	%			02/05/25 21:26	1

Client Sample ID: 16E2_6-7

Lab Sample ID: 460-319830-18

Date Collected: 02/03/25 14:51
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00044	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
2-Hexanone	0.0059	U	0.0059	0.0020	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
4-Methyl-2-pentanone (MIBK)	0.0059	U	0.0059	0.0018	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Acetone	**0.041**		0.0071	0.0068	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Bromomethane	0.0024	U *	0.0024	0.0012	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1

Client Sample ID: 16E2_6-7
Date Collected: 02/03/25 14:51
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-18
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chloroethane	0.0012	U	0.0012	0.00062	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Methyl acetate	0.0059	U	0.0059	0.0051	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Methylcyclohexane	0.0012	U	0.0012	0.00059	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*02/04/25 21:14*	*02/08/25 14:37*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:14*	*02/08/25 14:37*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:14*	*02/08/25 14:37*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/04/25 21:14*	*02/08/25 14:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			02/05/25 20:36	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16E1_3-4
Date Collected: 02/03/25 14:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-19
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Bromomethane	0.0020	U *	0.0020	0.0010	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Methylene Chloride	**0.0012**	**J**	0.0020	0.0012	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1

Client Sample ID: 16E1_3-4

Lab Sample ID: 460-319830-19

Date Collected: 02/03/25 14:38
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	02/04/25 21:14	02/08/25 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/04/25 21:14*	*02/08/25 15:00*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:14*	*02/08/25 15:00*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*02/04/25 21:14*	*02/08/25 15:00*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/04/25 21:14*	*02/08/25 15:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16E1_4-5

Lab Sample ID: 460-319830-20

Date Collected: 02/03/25 14:48
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
2-Butanone (MEK)	0.0058	U	0.0058	0.00043	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
2-Hexanone	0.0058	U	0.0058	0.0020	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
4-Methyl-2-pentanone (MIBK)	0.0058	U	0.0058	0.0018	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Acetone	0.0070	U	0.0070	0.0067	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Bromomethane	0.0023	U *	0.0023	0.0012	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1

Client Sample ID: 16E1_4-5
Date Collected: 02/03/25 14:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-20
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Methylene Chloride	**0.0017**	**J**	0.0023	0.0013	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
n-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
N-Propylbenzene	0.0012	U	0.0012	0.00020	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
tert-Butylbenzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	02/04/25 21:15	02/08/25 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*02/04/25 21:15*	*02/08/25 15:23*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:15*	*02/08/25 15:23*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*02/04/25 21:15*	*02/08/25 15:23*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/04/25 21:15*	*02/08/25 15:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.5**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**89.5**		1.0	1.0	%			02/05/25 20:36	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16E3_3-4
Date Collected: 02/03/25 14:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-21
Matrix: Solid
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
2-Butanone (MEK)	0.0065	U	0.0065	0.00048	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Acetone	**0.020**		0.0078	0.0074	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Bromomethane	0.0026	U *	0.0026	0.0013	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Methylene Chloride	**0.0025**	**J**	0.0026	0.0015	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1

Client Sample ID: 16E3_3-4

Lab Sample ID: 460-319830-21

Date Collected: 02/03/25 14:45
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*02/04/25 21:15*	*02/08/25 15:46*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:15*	*02/08/25 15:46*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*02/04/25 21:15*	*02/08/25 15:46*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/04/25 21:15*	*02/08/25 15:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.5**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**94.5**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16E2_2-3

Lab Sample ID: 460-319830-22

Date Collected: 02/03/25 14:42
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00017	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U *	0.00081	0.00024	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00017	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00015	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2-Dibromo-3-Chloropropane	0.00081	U *	0.00081	0.00037	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00025	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00018	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00030	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0013	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Benzene	0.00081	U	0.00081	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Bromoform	0.00081	U	0.00081	0.00034	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1

Client Sample ID: 16E2_2-3
Date Collected: 02/03/25 14:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-22
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00081	U	0.00081	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Carbon tetrachloride	0.00081	U	0.00081	0.00031	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chlorobenzene	0.00081	U	0.00081	0.00014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chlorobromomethane	0.00081	U	0.00081	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chlorodibromomethane	0.00081	U	0.00081	0.00016	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chloroform	0.00081	U	0.00081	0.00078	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00027	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Ethylbenzene	0.00081	U	0.00081	0.00016	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Ethylene Dibromide	0.00081	U	0.00081	0.00015	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Methyl acetate	0.0040	U	0.0040	0.0035	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00041	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Methylcyclohexane	0.00081	U	0.00081	0.00040	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Methylene Chloride	0.0016	U	0.0016	0.00092	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
N-Propylbenzene	0.00081	U	0.00081	0.00014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
o-Xylene	0.00081	U	0.00081	0.00016	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Styrene	0.00081	U	0.00081	0.00022	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00021	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	02/04/25 21:15	02/08/25 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*02/04/25 21:15*	*02/08/25 11:50*	*1*
4-Bromofluorobenzene	*111*		*71 - 128*	*02/04/25 21:15*	*02/08/25 11:50*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*02/04/25 21:15*	*02/08/25 11:50*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*02/04/25 21:15*	*02/08/25 11:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.0**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**94.0**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16E3_8-9
Date Collected: 02/03/25 14:54
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-23
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00030	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00046	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1

Client Sample ID: 16E3_8-9

Lab Sample ID: 460-319830-23

Date Collected: 02/03/25 14:54
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*02/04/25 21:16*	*02/08/25 12:15*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:16*	*02/08/25 12:15*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:16*	*02/08/25 12:15*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:16*	*02/08/25 12:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.8**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**94.2**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16E2_9-10

Lab Sample ID: 460-319830-24

Date Collected: 02/03/25 15:00
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U *	0.00090	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2-Dibromo-3-Chloropropane	0.00090	U *	0.00090	0.00041	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Benzene	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1

Client Sample ID: 16E2_9-10
Date Collected: 02/03/25 15:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-24
Matrix: Solid
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chlorobromomethane	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chlorodibromomethane	0.00090	U	0.00090	0.00017	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Ethylbenzene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Ethylene Dibromide	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Methylene Chloride	**0.0012**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
N-Propylbenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
o-Xylene	0.00090	U	0.00090	0.00017	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*02/04/25 21:16*	*02/08/25 12:40*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:16*	*02/08/25 12:40*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/04/25 21:16*	*02/08/25 12:40*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:16*	*02/08/25 12:40*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.3**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**93.7**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16F3_5-6
Date Collected: 02/03/25 14:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-25
Matrix: Solid
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00072	U	0.00072	0.00017	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,1,2,2-Tetrachloroethane	0.00072	U	0.00072	0.00015	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00072	U *	0.00072	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,1,2-Trichloroethane	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,1-Dichloroethane	0.00072	U	0.00072	0.00015	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,1-Dichloroethene	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2,3-Trichlorobenzene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2,4-Trichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2,4-Trimethylbenzene	0.00072	U	0.00072	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2-Dibromo-3-Chloropropane	0.00072	U *	0.00072	0.00033	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2-Dichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2-Dichloroethane	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,2-Dichloropropane	0.00072	U	0.00072	0.00030	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,3,5-Trimethylbenzene	0.00072	U	0.00072	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,3-Dichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
1,4-Dichlorobenzene	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
2-Butanone (MEK)	0.0036	U	0.0036	0.00027	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
2-Hexanone	0.0036	U	0.0036	0.0012	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
4-Methyl-2-pentanone (MIBK)	0.0036	U	0.0036	0.0011	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Acetone	0.0043	U	0.0043	0.0041	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Benzene	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Bromoform	0.00072	U	0.00072	0.00031	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Bromomethane	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Carbon disulfide	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Carbon tetrachloride	0.00072	U	0.00072	0.00028	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chlorobenzene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chlorobromomethane	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chlorodibromomethane	0.00072	U	0.00072	0.00014	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chloroethane	0.00072	U	0.00072	0.00038	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chloroform	0.00072	U	0.00072	0.00070	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Chloromethane	0.00072	U	0.00072	0.00031	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
cis-1,2-Dichloroethene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
cis-1,3-Dichloropropene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Cyclohexane	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Dichlorobromomethane	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Dichlorodifluoromethane	0.00072	U	0.00072	0.00024	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Ethylbenzene	0.00072	U	0.00072	0.00014	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Ethylene Dibromide	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Isopropylbenzene	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Methyl acetate	0.0036	U	0.0036	0.0031	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Methyl tert-butyl ether	0.00072	U	0.00072	0.00037	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Methylcyclohexane	0.00072	U	0.00072	0.00036	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Methylene Chloride	**0.00087**	**J**	0.0014	0.00082	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
m-Xylene & p-Xylene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
n-Butylbenzene	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
N-Propylbenzene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
o-Xylene	0.00072	U	0.00072	0.00014	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
sec-Butylbenzene	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Styrene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1

Client Sample ID: 16F3_5-6

Date Collected: 02/03/25 14:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-25

Matrix: Solid
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Tetrachloroethene	0.00072	U	0.00072	0.00022	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Toluene	0.00072	U	0.00072	0.00017	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
trans-1,2-Dichloroethene	0.00072	U	0.00072	0.00018	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
trans-1,3-Dichloropropene	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Trichloroethene	0.00072	U	0.00072	0.00023	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Trichlorofluoromethane	0.00072	U	0.00072	0.00029	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Vinyl chloride	0.00072	U	0.00072	0.00039	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1
Xylenes, Total	0.0014	U	0.0014	0.00013	mg/Kg	☼	02/04/25 21:16	02/08/25 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 21:16*	*02/08/25 13:05*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:16*	*02/08/25 13:05*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:16*	*02/08/25 13:05*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:16*	*02/08/25 13:05*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.5**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**94.5**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16F1_4-5

Date Collected: 02/03/25 14:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-26

Matrix: Solid
Percent Solids: 96.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00031	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00047	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1

Client Sample ID: 16F1_4-5
Date Collected: 02/03/25 14:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-26
Matrix: Solid
Percent Solids: 96.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*02/04/25 21:17*	*02/08/25 13:30*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 21:17*	*02/08/25 13:30*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:17*	*02/08/25 13:30*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:17*	*02/08/25 13:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.8		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	96.2		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16F1_6-7
Date Collected: 02/03/25 14:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-27
Matrix: Solid
Percent Solids: 97.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U *	0.00089	0.00027	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2-Dibromo-3-Chloropropane	0.00089	U *	0.00089	0.00041	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00033	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
2-Butanone (MEK)	**0.011**		0.0045	0.00033	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Acetone	**0.060**		0.0053	0.0051	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Benzene	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Carbon disulfide	**0.0017**		0.00089	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Carbon tetrachloride	0.00089	U	0.00089	0.00034	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chloroform	0.00089	U	0.00089	0.00087	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Ethylbenzene	**0.010**		0.00089	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Isopropylbenzene	**0.0021**		0.00089	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Methyl acetate	0.0045	U	0.0045	0.0038	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Methylcyclohexane	0.00089	U	0.00089	0.00044	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Methylene Chloride	**0.0012**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
m-Xylene & p-Xylene	**0.00028**	**J**	0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
N-Propylbenzene	**0.0016**		0.00089	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
o-Xylene	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
sec-Butylbenzene	**0.00034**	**J**	0.00089	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1

Client Sample ID: 16F1_6-7

Lab Sample ID: 460-319830-27
Date Collected: 02/03/25 14:18
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1
Xylenes, Total	**0.00028**	**J**	0.0018	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*02/04/25 21:17*	*02/08/25 13:55*	*1*
4-Bromofluorobenzene	*110*		*71 - 128*	*02/04/25 21:17*	*02/08/25 13:55*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*02/04/25 21:17*	*02/08/25 13:55*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 21:17*	*02/08/25 13:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.9**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**97.1**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16F2_7-8

Lab Sample ID: 460-319830-28
Date Collected: 02/03/25 14:21
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00072	U	0.00072	0.00017	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,1,2,2-Tetrachloroethane	0.00072	U	0.00072	0.00015	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00072	U *	0.00072	0.00022	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,1,2-Trichloroethane	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,1-Dichloroethane	0.00072	U	0.00072	0.00015	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,1-Dichloroethene	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2,3-Trichlorobenzene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2,4-Trichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2,4-Trimethylbenzene	0.00072	U	0.00072	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2-Dibromo-3-Chloropropane	0.00072	U *	0.00072	0.00033	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2-Dichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2-Dichloroethane	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,2-Dichloropropane	0.00072	U	0.00072	0.00030	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,3,5-Trimethylbenzene	0.00072	U	0.00072	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,3-Dichlorobenzene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
1,4-Dichlorobenzene	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
2-Butanone (MEK)	**0.0060**		0.0036	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
2-Hexanone	0.0036	U	0.0036	0.0012	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
4-Methyl-2-pentanone (MIBK)	0.0036	U	0.0036	0.0011	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Acetone	**0.042**		0.0043	0.0041	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Benzene	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Bromoform	0.00072	U	0.00072	0.00031	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Bromomethane	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1

Client Sample ID: 16F2_7-8
Date Collected: 02/03/25 14:21
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-28
Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00090**		0.00072	0.00019	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Carbon tetrachloride	0.00072	U	0.00072	0.00028	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chlorobenzene	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chlorobromomethane	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chlorodibromomethane	0.00072	U	0.00072	0.00014	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chloroethane	0.00072	U	0.00072	0.00038	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chloroform	0.00072	U	0.00072	0.00070	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Chloromethane	0.00072	U	0.00072	0.00031	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
cis-1,2-Dichloroethene	0.00072	U	0.00072	0.00026	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
cis-1,3-Dichloropropene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Cyclohexane	0.00072	U	0.00072	0.00016	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Dichlorobromomethane	0.00072	U	0.00072	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Dichlorodifluoromethane	0.00072	U	0.00072	0.00024	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Ethylbenzene	**0.016**		0.00072	0.00014	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Ethylene Dibromide	0.00072	U	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Isopropylbenzene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Methyl acetate	0.0036	U	0.0036	0.0031	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Methyl tert-butyl ether	0.00072	U	0.00072	0.00037	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Methylcyclohexane	0.00072	U	0.00072	0.00036	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Methylene Chloride	0.0014	U	0.0014	0.00082	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
m-Xylene & p-Xylene	**0.00033**	**J**	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
n-Butylbenzene	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
N-Propylbenzene	**0.00036**	**J**	0.00072	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
o-Xylene	0.00072	U	0.00072	0.00014	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
sec-Butylbenzene	0.00072	U	0.00072	0.00021	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Styrene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
tert-Butylbenzene	0.00072	U	0.00072	0.00020	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Tetrachloroethene	0.00072	U	0.00072	0.00022	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Toluene	0.00072	U	0.00072	0.00017	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
trans-1,2-Dichloroethene	0.00072	U	0.00072	0.00018	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
trans-1,3-Dichloropropene	0.00072	U	0.00072	0.00019	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Trichloroethene	0.00072	U	0.00072	0.00023	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Trichlorofluoromethane	0.00072	U	0.00072	0.00029	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Vinyl chloride	0.00072	U	0.00072	0.00039	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1
Xylenes, Total	**0.00033**	**J**	0.0014	0.00013	mg/Kg	☼	02/04/25 21:17	02/08/25 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*02/04/25 21:17*	*02/08/25 14:20*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:17*	*02/08/25 14:20*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:17*	*02/08/25 14:20*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:17*	*02/08/25 14:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.9**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**96.1**		1.0	1.0	%			02/05/25 20:36	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16F3_3-4
Date Collected: 02/03/25 14:12
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-29
Matrix: Solid
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U *	0.00085	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2-Dibromo-3-Chloropropane	0.00085	U *	0.00085	0.00039	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
2-Hexanone	0.0042	U	0.0042	0.0015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Ethylbenzene	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
N-Propylbenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
o-Xylene	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1

Client Sample ID: 16F3_3-4

Lab Sample ID: 460-319830-29

Date Collected: 02/03/25 14:12
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/04/25 21:18	02/08/25 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*02/04/25 21:18*	*02/08/25 14:45*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:18*	*02/08/25 14:45*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:18*	*02/08/25 14:45*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:18*	*02/08/25 14:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.5**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**94.5**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16F2_2-3

Lab Sample ID: 460-319830-30

Date Collected: 02/03/25 14:08
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00047	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Acetone	**0.011**		0.0062	0.0059	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1

Client Sample ID: 16F2_2-3
Date Collected: 02/03/25 14:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-30
Matrix: Solid
Percent Solids: 96.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Ethylene Dibromide	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*02/04/25 21:18*	*02/08/25 15:09*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:18*	*02/08/25 15:09*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*02/04/25 21:18*	*02/08/25 15:09*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:18*	*02/08/25 15:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.3**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**96.7**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I1_4-5

Date Collected: 02/03/25 10:58
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-31

Matrix: Solid
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U *	0.00092	0.00028	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2-Dibromo-3-Chloropropane	0.00092	U *	0.00092	0.00042	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Carbon tetrachloride	0.00092	U	0.00092	0.00035	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Ethylene Dibromide	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Methylene Chloride	**0.0010**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Styrene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1

Client Sample ID: 16I1_4-5

Lab Sample ID: 460-319830-31

Date Collected: 02/03/25 10:58
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Toluene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Trichloroethene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 21:18	02/08/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*02/04/25 21:18*	*02/08/25 15:34*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:18*	*02/08/25 15:34*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:18*	*02/08/25 15:34*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:18*	*02/08/25 15:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.2**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**97.8**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I2_2-3

Lab Sample ID: 460-319830-32

Date Collected: 02/03/25 10:50
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00040	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2-Dibromo-3-Chloropropane	0.0013	U *	0.0013	0.00062	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00057	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00049	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Acetone	0.0080	U	0.0080	0.0077	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Benzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1

Client Sample ID: 16I2_2-3
Date Collected: 02/03/25 10:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-32
Matrix: Solid
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chlorobromomethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Cyclohexane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Methyl acetate	0.0067	U	0.0067	0.0058	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Methylcyclohexane	0.0013	U	0.0013	0.00067	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
N-Propylbenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
sec-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*02/04/25 21:19*	*02/08/25 15:59*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*02/04/25 21:19*	*02/08/25 15:59*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:19*	*02/08/25 15:59*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 21:19*	*02/08/25 15:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.6**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**97.4**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I3_8-9
Date Collected: 02/03/25 11:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-33
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U *	0.00087	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00018	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2-Dibromo-3-Chloropropane	0.00087	U *	0.00087	0.00040	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Benzene	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chlorobenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chlorobromomethane	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chlorodibromomethane	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chloroethane	0.00087	U	0.00087	0.00046	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chloroform	0.00087	U	0.00087	0.00085	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00030	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Ethylbenzene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Ethylene Dibromide	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00045	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Methylcyclohexane	0.00087	U	0.00087	0.00044	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Methylene Chloride	0.0017	U	0.0017	0.0010	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
n-Butylbenzene	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
N-Propylbenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
o-Xylene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1

Client Sample ID: 16I3_8-9

Date Collected: 02/03/25 11:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-33

Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Tetrachloroethene	0.00087	U	0.00087	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00036	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Vinyl chloride	0.00087	U	0.00087	0.00048	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 21:19*	*02/08/25 16:24*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:19*	*02/08/25 16:24*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*02/04/25 21:19*	*02/08/25 16:24*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:19*	*02/08/25 16:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.0**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**96.0**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I1_3-4

Date Collected: 02/03/25 10:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-34

Matrix: Solid
Percent Solids: 98.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00021	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U *	0.00096	0.00029	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00020	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2-Dibromo-3-Chloropropane	0.00096	U *	0.00096	0.00044	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Benzene	0.00096	U	0.00096	0.00025	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1

Client Sample ID: 16I1_3-4
Date Collected: 02/03/25 10:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-34
Matrix: Solid
Percent Solids: 98.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chlorobenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chlorobromomethane	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chlorodibromomethane	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Ethylbenzene	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Ethylene Dibromide	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Methylene Chloride	**0.0012**	**J**	0.0019	0.0011	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
N-Propylbenzene	0.00096	U	0.00096	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
o-Xylene	0.00096	U	0.00096	0.00019	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
tert-Butylbenzene	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Vinyl chloride	0.00096	U	0.00096	0.00052	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/04/25 21:19	02/08/25 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*02/04/25 21:19*	*02/08/25 16:49*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 21:19*	*02/08/25 16:49*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:19*	*02/08/25 16:49*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:19*	*02/08/25 16:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.9**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**98.1**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I2_7-8
Date Collected: 02/03/25 11:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-35
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00068	U	0.00068	0.00016	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,1,2,2-Tetrachloroethane	0.00068	U	0.00068	0.00014	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00068	U *	0.00068	0.00020	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,1,2-Trichloroethane	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,1-Dichloroethane	0.00068	U	0.00068	0.00014	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,1-Dichloroethene	0.00068	U	0.00068	0.00015	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2,3-Trichlorobenzene	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2,4-Trichlorobenzene	0.00068	U	0.00068	0.00024	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2,4-Trimethylbenzene	0.00068	U	0.00068	0.00017	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2-Dibromo-3-Chloropropane	0.00068	U *	0.00068	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2-Dichlorobenzene	0.00068	U	0.00068	0.00024	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2-Dichloroethane	0.00068	U	0.00068	0.00020	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,2-Dichloropropane	0.00068	U	0.00068	0.00029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,3,5-Trimethylbenzene	0.00068	U	0.00068	0.00021	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,3-Dichlorobenzene	0.00068	U	0.00068	0.00025	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
1,4-Dichlorobenzene	0.00068	U	0.00068	0.00015	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
2-Butanone (MEK)	0.0034	U	0.0034	0.00025	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
2-Hexanone	0.0034	U	0.0034	0.0012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
4-Methyl-2-pentanone (MIBK)	0.0034	U	0.0034	0.0011	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Acetone	0.0041	U	0.0041	0.0039	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Benzene	0.00068	U	0.00068	0.00017	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Bromoform	0.00068	U	0.00068	0.00029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Bromomethane	0.0014	U	0.0014	0.00068	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Carbon disulfide	0.00068	U	0.00068	0.00018	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Carbon tetrachloride	0.00068	U	0.00068	0.00026	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chlorobenzene	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chlorobromomethane	0.00068	U	0.00068	0.00019	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chlorodibromomethane	0.00068	U	0.00068	0.00013	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chloroethane	0.00068	U	0.00068	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chloroform	0.00068	U	0.00068	0.00066	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Chloromethane	0.00068	U	0.00068	0.00029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
cis-1,2-Dichloroethene	0.00068	U	0.00068	0.00024	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
cis-1,3-Dichloropropene	0.00068	U	0.00068	0.00018	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Cyclohexane	0.00068	U	0.00068	0.00015	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Dichlorobromomethane	0.00068	U	0.00068	0.00017	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Dichlorodifluoromethane	0.00068	U	0.00068	0.00023	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Ethylbenzene	0.00068	U	0.00068	0.00013	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Ethylene Dibromide	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Isopropylbenzene	0.00068	U	0.00068	0.00019	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Methyl acetate	0.0034	U	0.0034	0.0029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Methyl tert-butyl ether	0.00068	U	0.00068	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Methylcyclohexane	0.00068	U	0.00068	0.00034	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Methylene Chloride	0.0014	U	0.0014	0.00078	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
m-Xylene & p-Xylene	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
n-Butylbenzene	0.00068	U	0.00068	0.00020	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
N-Propylbenzene	0.00068	U	0.00068	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
o-Xylene	0.00068	U	0.00068	0.00013	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
sec-Butylbenzene	0.00068	U	0.00068	0.00019	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Styrene	0.00068	U	0.00068	0.00019	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1

Client Sample ID: 16I2_7-8

Lab Sample ID: 460-319830-35

Date Collected: 02/03/25 11:05

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 93.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00068	U	0.00068	0.00019	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Tetrachloroethene	0.00068	U	0.00068	0.00021	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Toluene	0.00068	U	0.00068	0.00016	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
trans-1,2-Dichloroethene	0.00068	U	0.00068	0.00017	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
trans-1,3-Dichloropropene	0.00068	U	0.00068	0.00018	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Trichloroethene	0.00068	U	0.00068	0.00022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Trichlorofluoromethane	0.00068	U	0.00068	0.00027	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Vinyl chloride	0.00068	U	0.00068	0.00037	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1
Xylenes, Total	0.0014	U	0.0014	0.00012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 21:20*	*02/08/25 17:13*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:20*	*02/08/25 17:13*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:20*	*02/08/25 17:13*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 21:20*	*02/08/25 17:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.0**		1.0	1.0	%			02/05/25 20:36	1
Percent Solids (EPA Moisture)	**93.0**		1.0	1.0	%			02/05/25 20:36	1

Client Sample ID: 16I3_1-2

Lab Sample ID: 460-319830-36

Date Collected: 02/03/25 10:53

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 97.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00038	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2-Dibromo-3-Chloropropane	0.0013	U *	0.0013	0.00058	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00047	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
2-Hexanone	0.0063	U	0.0063	0.0022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Acetone	0.0076	U	0.0076	0.0073	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Bromoform	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1

Client Sample ID: 16I3_1-2
Date Collected: 02/03/25 10:53
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-36
Matrix: Solid
Percent Solids: 97.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Methyl acetate	0.0063	U	0.0063	0.0055	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Methylene Chloride	0.0025	U	0.0025	0.0015	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	02/04/25 21:20	02/08/25 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*02/04/25 21:20*	*02/08/25 17:38*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:20*	*02/08/25 17:38*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:20*	*02/08/25 17:38*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 21:20*	*02/08/25 17:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.5**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.5**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H3_3-4
Date Collected: 02/03/25 12:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-37
Matrix: Solid
Percent Solids: 94.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0018	U	0.0018	0.00041	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,1,2,2-Tetrachloroethane	0.0018	U	0.0018	0.00038	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0018	U *	0.0018	0.00053	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,1,2-Trichloroethane	0.0018	U	0.0018	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,1-Dichloroethane	0.0018	U	0.0018	0.00036	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,1-Dichloroethene	0.0018	U	0.0018	0.00040	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2,3-Trichlorobenzene	0.0018	U	0.0018	0.00032	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2,4-Trichlorobenzene	0.0018	U	0.0018	0.00063	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2,4-Trimethylbenzene	0.0018	U	0.0018	0.00043	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2-Dibromo-3-Chloropropane	0.0018	U *	0.0018	0.00081	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2-Dichlorobenzene	0.0018	U	0.0018	0.00064	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2-Dichloroethane	0.0018	U	0.0018	0.00052	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,2-Dichloropropane	0.0018	U	0.0018	0.00075	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,3,5-Trimethylbenzene	0.0018	U	0.0018	0.00056	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,3-Dichlorobenzene	0.0018	U	0.0018	0.00065	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
1,4-Dichlorobenzene	0.0018	U	0.0018	0.00040	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
2-Butanone (MEK)	0.0088	U	0.0088	0.00065	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
2-Hexanone	0.0088	U	0.0088	0.0030	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
4-Methyl-2-pentanone (MIBK)	0.0088	U	0.0088	0.0027	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Acetone	0.011	U	0.011	0.010	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Benzene	0.0018	U	0.0018	0.00046	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Bromoform	0.0018	U	0.0018	0.00075	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Bromomethane	0.0035	U	0.0035	0.0018	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Carbon disulfide	0.0018	U	0.0018	0.00047	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Carbon tetrachloride	0.0018	U	0.0018	0.00068	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chlorobenzene	0.0018	U	0.0018	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chlorobromomethane	0.0018	U	0.0018	0.00050	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chlorodibromomethane	0.0018	U	0.0018	0.00034	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chloroethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chloroform	0.0018	U	0.0018	0.0017	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Chloromethane	0.0018	U	0.0018	0.00077	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
cis-1,2-Dichloroethene	0.0018	U	0.0018	0.00063	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
cis-1,3-Dichloropropene	0.0018	U	0.0018	0.00048	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Cyclohexane	0.0018	U	0.0018	0.00039	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Dichlorobromomethane	0.0018	U	0.0018	0.00045	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Dichlorodifluoromethane	0.0018	U	0.0018	0.00060	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Ethylbenzene	0.0018	U	0.0018	0.00035	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Ethylene Dibromide	0.0018	U	0.0018	0.00032	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Isopropylbenzene	0.0018	U	0.0018	0.00050	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Methyl acetate	0.0088	U	0.0088	0.0076	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Methyl tert-butyl ether	0.0018	U	0.0018	0.00091	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Methylcyclohexane	0.0018	U	0.0018	0.00088	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Methylene Chloride	0.0035	U	0.0035	0.0020	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
m-Xylene & p-Xylene	0.0018	U	0.0018	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
n-Butylbenzene	0.0018	U	0.0018	0.00052	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
N-Propylbenzene	0.0018	U	0.0018	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
o-Xylene	0.0018	U	0.0018	0.00034	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
sec-Butylbenzene	0.0018	U	0.0018	0.00051	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Styrene	0.0018	U	0.0018	0.00049	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1

Client Sample ID: 12H3_3-4

Lab Sample ID: 460-319830-37
Date Collected: 02/03/25 12:24
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0018	U	0.0018	0.00049	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Tetrachloroethene	0.0018	U	0.0018	0.00054	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Toluene	0.0018	U	0.0018	0.00041	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
trans-1,2-Dichloroethene	0.0018	U	0.0018	0.00043	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
trans-1,3-Dichloropropene	0.0018	U	0.0018	0.00047	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Trichloroethene	0.0018	U	0.0018	0.00057	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Trichlorofluoromethane	0.0018	U	0.0018	0.00072	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Vinyl chloride	0.0018	U	0.0018	0.00097	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1
Xylenes, Total	0.0035	U	0.0035	0.00031	mg/Kg	☼	02/04/25 21:20	02/08/25 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 21:20*	*02/08/25 18:03*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:20*	*02/08/25 18:03*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:20*	*02/08/25 18:03*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*02/04/25 21:20*	*02/08/25 18:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.4**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**94.6**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12H2_16-17

Lab Sample ID: 460-319830-38
Date Collected: 02/03/25 12:40
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U *	0.00099	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2-Dibromo-3-Chloropropane	0.00099	U *	0.00099	0.00045	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
2-Butanone (MEK)	**0.0052**		0.0049	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Acetone	**0.034**		0.0059	0.0056	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Benzene	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1

Client Sample ID: 12H2_16-17
Date Collected: 02/03/25 12:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-38
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	**0.00068**	**J**	0.00099	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chlorobenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chlorobromomethane	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chlorodibromomethane	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Ethylene Dibromide	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Methylene Chloride	**0.0011**	**J**	0.0020	0.0011	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
N-Propylbenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
o-Xylene	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 21:21*	*02/08/25 18:28*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:21*	*02/08/25 18:28*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:21*	*02/08/25 18:28*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:21*	*02/08/25 18:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.3**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**95.7**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H1_12-13
Date Collected: 02/03/25 12:32
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-39
Matrix: Solid
Percent Solids: 97.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00020	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
2-Butanone (MEK)	**0.0042**	**J**	0.0047	0.00034	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Acetone	**0.033**		0.0056	0.0053	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Benzene	0.00093	U	0.00093	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chlorobromomethane	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chlorodibromomethane	0.00093	U	0.00093	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chloroform	0.00093	U	0.00093	0.00091	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Chloromethane	0.00093	U	0.00093	0.00041	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00032	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Ethylbenzene	0.00093	U	0.00093	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Ethylene Dibromide	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Methylcyclohexane	0.00093	U	0.00093	0.00047	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Methylene Chloride	**0.0014**	**J**	0.0019	0.0011	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
N-Propylbenzene	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
o-Xylene	0.00093	U	0.00093	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1

Client Sample ID: 12H1_12-13

Lab Sample ID: 460-319830-39

Date Collected: 02/03/25 12:32
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
trans-1,3-Dichloropropene	0.00093	U *	0.00093	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	02/04/25 21:21	02/08/25 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 21:21*	*02/08/25 21:48*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 21:21*	*02/08/25 21:48*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:21*	*02/08/25 21:48*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:21*	*02/08/25 21:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.3**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.7**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12H3_18-19

Lab Sample ID: 460-319830-40

Date Collected: 02/03/25 12:36
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00084	U	0.00084	0.00020	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,1,2,2-Tetrachloroethane	0.00084	U	0.00084	0.00018	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,1,2-Trichloroethane	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,1-Dichloroethane	0.00084	U	0.00084	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,1-Dichloroethene	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2,3-Trichlorobenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2,4-Trichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2,4-Trimethylbenzene	0.00084	U	0.00084	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2-Dibromo-3-Chloropropane	0.00084	U	0.00084	0.00039	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2-Dichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2-Dichloroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,2-Dichloropropane	0.00084	U	0.00084	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,3,5-Trimethylbenzene	0.00084	U	0.00084	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,3-Dichlorobenzene	0.00084	U	0.00084	0.00031	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
1,4-Dichlorobenzene	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Benzene	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Bromoform	0.00084	U	0.00084	0.00036	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Bromomethane	0.0017	U	0.0017	0.00084	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1

Client Sample ID: 12H3_18-19
Date Collected: 02/03/25 12:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-40
Matrix: Solid
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Carbon tetrachloride	0.00084	U	0.00084	0.00033	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chlorobenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chlorobromomethane	0.00084	U	0.00084	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chlorodibromomethane	0.00084	U	0.00084	0.00016	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chloroethane	0.00084	U	0.00084	0.00044	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chloroform	0.00084	U	0.00084	0.00082	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Chloromethane	0.00084	U	0.00084	0.00037	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
cis-1,2-Dichloroethene	0.00084	U	0.00084	0.00030	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
cis-1,3-Dichloropropene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Cyclohexane	0.00084	U	0.00084	0.00019	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Dichlorobromomethane	0.00084	U	0.00084	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Dichlorodifluoromethane	0.00084	U	0.00084	0.00028	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Ethylbenzene	0.00084	U	0.00084	0.00017	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Ethylene Dibromide	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Isopropylbenzene	0.00084	U	0.00084	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Methyl tert-butyl ether	0.00084	U	0.00084	0.00043	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Methylcyclohexane	0.00084	U	0.00084	0.00042	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Methylene Chloride	**0.0011**	**J**	0.0017	0.00097	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
m-Xylene & p-Xylene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
n-Butylbenzene	0.00084	U	0.00084	0.00025	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
N-Propylbenzene	0.00084	U	0.00084	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
o-Xylene	0.00084	U	0.00084	0.00016	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
sec-Butylbenzene	0.00084	U	0.00084	0.00024	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Styrene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
tert-Butylbenzene	0.00084	U	0.00084	0.00023	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Tetrachloroethene	0.00084	U	0.00084	0.00026	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Toluene	0.00084	U	0.00084	0.00020	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
trans-1,2-Dichloroethene	0.00084	U	0.00084	0.00021	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
trans-1,3-Dichloropropene	0.00084	U *	0.00084	0.00022	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Trichloroethene	0.00084	U	0.00084	0.00027	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Trichlorofluoromethane	0.00084	U	0.00084	0.00034	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Vinyl chloride	0.00084	U	0.00084	0.00046	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/04/25 21:21	02/08/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 21:21*	*02/08/25 22:13*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*	*02/04/25 21:21*	*02/08/25 22:13*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 21:21*	*02/08/25 22:13*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:21*	*02/08/25 22:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.4**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.6**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H1_7-8
Date Collected: 02/03/25 12:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-41
Matrix: Solid
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Ethylbenzene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Methylene Chloride	**0.0020**	**J**	0.0026	0.0015	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1

Client Sample ID: 12H1_7-8

Lab Sample ID: 460-319830-41

Date Collected: 02/03/25 12:25
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
trans-1,3-Dichloropropene	0.0013	U *	0.0013	0.00034	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*	*02/04/25 21:22*	*02/08/25 22:39*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*02/04/25 21:22*	*02/08/25 22:39*	*1*
Dibromofluoromethane (Surr)	*90*		*50 - 150*	*02/04/25 21:22*	*02/08/25 22:39*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 21:22*	*02/08/25 22:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.4**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.6**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12H2_2-3

Lab Sample ID: 460-319830-42

Date Collected: 02/03/25 12:20
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
2-Hexanone	0.0054	U	0.0054	0.0019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H2_2-3
Date Collected: 02/03/25 12:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-42
Matrix: Solid
Percent Solids: 97.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Methyl acetate	0.0054	U	0.0054	0.0047	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*02/04/25 21:22*	*02/08/25 23:04*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*02/04/25 21:22*	*02/08/25 23:04*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*02/04/25 21:22*	*02/08/25 23:04*	*1*
Toluene-d8 (Surr)	*85*		*71 - 126*	*02/04/25 21:22*	*02/08/25 23:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.1**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.9**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H1_5-6
Date Collected: 02/03/25 12:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-43
Matrix: Solid
Percent Solids: 98.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Benzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1

Client Sample ID: 12H1_5-6

Lab Sample ID: 460-319830-43

Date Collected: 02/03/25 12:28
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00028	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/04/25 21:22	02/08/25 23:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*02/04/25 21:22*	*02/08/25 23:29*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/04/25 21:22*	*02/08/25 23:29*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*02/04/25 21:22*	*02/08/25 23:29*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*02/04/25 21:22*	*02/08/25 23:29*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.5**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.5**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12G3_8-9

Lab Sample ID: 460-319830-44

Date Collected: 02/03/25 13:28
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1

Client Sample ID: 12G3_8-9
Date Collected: 02/03/25 13:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-44
Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Methylene Chloride	**0.0015**	**J**	0.0022	0.0013	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/04/25 21:23	02/08/25 23:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 21:23*	*02/08/25 23:53*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 21:23*	*02/08/25 23:53*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:23*	*02/08/25 23:53*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:23*	*02/08/25 23:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.6**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**95.4**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G1_2-3
Date Collected: 02/03/25 15:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-45
Matrix: Solid
Percent Solids: 98.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
2-Hexanone	0.0054	U	0.0054	0.0019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Methyl acetate	0.0054	U	0.0054	0.0047	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1

Client Sample ID: 12G1_2-3

Lab Sample ID: 460-319830-45

Date Collected: 02/03/25 15:15
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
trans-1,3-Dichloropropene	0.0011	U *	0.0011	0.00029	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/04/25 21:23	02/09/25 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 21:23*	*02/09/25 00:18*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 21:23*	*02/09/25 00:18*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*02/04/25 21:23*	*02/09/25 00:18*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:23*	*02/09/25 00:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.6**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.4**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12G2_4-5

Lab Sample ID: 460-319830-46

Date Collected: 02/03/25 13:18
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00062	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00057	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00050	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Benzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1

Client Sample ID: 12G2_4-5
Date Collected: 02/03/25 13:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-46
Matrix: Solid
Percent Solids: 98.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chlorobenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chlorobromomethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chlorodibromomethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Chloromethane	0.0013	U	0.0013	0.00059	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Cyclohexane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Dichlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Ethylbenzene	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Ethylene Dibromide	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Methyl acetate	0.0067	U	0.0067	0.0058	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Methylcyclohexane	0.0013	U	0.0013	0.00067	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
n-Butylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
N-Propylbenzene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
o-Xylene	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
sec-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Toluene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
trans-1,3-Dichloropropene	0.0013	U *	0.0013	0.00036	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Vinyl chloride	0.0013	U	0.0013	0.00074	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	02/04/25 21:23	02/09/25 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 21:23*	*02/09/25 00:43*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 21:23*	*02/09/25 00:43*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 21:23*	*02/09/25 00:43*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 21:23*	*02/09/25 00:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.1**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.9**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G1_19-20
Date Collected: 02/03/25 13:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-47
Matrix: Solid
Percent Solids: 98.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00079	U	0.00079	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,1,2,2-Tetrachloroethane	0.00079	U	0.00079	0.00017	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,1,2-Trichloroethane	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,1-Dichloroethane	0.00079	U	0.00079	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,1-Dichloroethene	0.00079	U	0.00079	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2,3-Trichlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2,4-Trimethylbenzene	0.00079	U	0.00079	0.00019	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2-Dibromo-3-Chloropropane	0.00079	U	0.00079	0.00036	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2-Dichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2-Dichloroethane	0.00079	U	0.00079	0.00023	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,2-Dichloropropane	0.00079	U	0.00079	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,3-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
1,4-Dichlorobenzene	0.00079	U	0.00079	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00029	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Acetone	0.0047	U	0.0047	0.0045	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Benzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Bromoform	0.00079	U	0.00079	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Bromomethane	0.0016	U	0.0016	0.00079	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Carbon disulfide	0.00079	U	0.00079	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Carbon tetrachloride	0.00079	U	0.00079	0.00030	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chlorobenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chlorobromomethane	0.00079	U	0.00079	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chlorodibromomethane	0.00079	U	0.00079	0.00015	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chloroform	0.00079	U	0.00079	0.00076	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Chloromethane	0.00079	U	0.00079	0.00034	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
cis-1,2-Dichloroethene	0.00079	U	0.00079	0.00028	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
cis-1,3-Dichloropropene	0.00079	U	0.00079	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Cyclohexane	0.00079	U	0.00079	0.00017	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Dichlorobromomethane	0.00079	U	0.00079	0.00020	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Dichlorodifluoromethane	0.00079	U	0.00079	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Ethylbenzene	0.00079	U	0.00079	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Ethylene Dibromide	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Isopropylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Methyl acetate	0.0039	U	0.0039	0.0034	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00040	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Methylcyclohexane	0.00079	U	0.00079	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Methylene Chloride	**0.00091**	**J**	0.0016	0.00090	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
m-Xylene & p-Xylene	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
n-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
N-Propylbenzene	0.00079	U	0.00079	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
o-Xylene	0.00079	U	0.00079	0.00015	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
sec-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Styrene	0.00079	U	0.00079	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1

Client Sample ID: 12G1_19-20

Lab Sample ID: 460-319830-47

Date Collected: 02/03/25 13:42
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Tetrachloroethene	0.00079	U	0.00079	0.00024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Toluene	0.00079	U	0.00079	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
trans-1,2-Dichloroethene	0.00079	U	0.00079	0.00019	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
trans-1,3-Dichloropropene	0.00079	U *	0.00079	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Trichloroethene	0.00079	U	0.00079	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Trichlorofluoromethane	0.00079	U	0.00079	0.00032	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Vinyl chloride	0.00079	U	0.00079	0.00043	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 22:02*	*02/09/25 01:08*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 22:02*	*02/09/25 01:08*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 22:02*	*02/09/25 01:08*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 22:02*	*02/09/25 01:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**1.3**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.7**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12G3_3-4

Lab Sample ID: 460-319830-48

Date Collected: 02/03/25 13:22
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00020	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00019	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00017	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2,4-Trimethylbenzene	0.00091	U	0.00091	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00029	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Benzene	0.00091	U	0.00091	0.00024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Bromoform	0.00091	U	0.00091	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1

Client Sample ID: 12G3_3-4
Date Collected: 02/03/25 13:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-48
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chlorobenzene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chlorobromomethane	0.00091	U	0.00091	0.00026	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chlorodibromomethane	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chloroethane	0.00091	U	0.00091	0.00048	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chloroform	0.00091	U	0.00091	0.00089	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Chloromethane	0.00091	U	0.00091	0.00040	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Ethylbenzene	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Ethylene Dibromide	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00047	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Methylcyclohexane	0.00091	U	0.00091	0.00046	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Methylene Chloride	**0.0014**	**J**	0.0018	0.0010	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
N-Propylbenzene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
o-Xylene	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
sec-Butylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
tert-Butylbenzene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
trans-1,3-Dichloropropene	0.00091	U *	0.00091	0.00024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Vinyl chloride	0.00091	U	0.00091	0.00050	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 22:02*	*02/09/25 01:33*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 22:02*	*02/09/25 01:33*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*02/04/25 22:02*	*02/09/25 01:33*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:02*	*02/09/25 01:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.0**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.0**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G2_15-16
Date Collected: 02/03/25 13:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-49
Matrix: Solid
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
2-Hexanone	0.0071	U	0.0071	0.0024	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
4-Methyl-2-pentanone (MIBK)	0.0071	U	0.0071	0.0022	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Chloromethane	0.0014	U	0.0014	0.00062	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Ethylene Dibromide	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Methyl acetate	0.0071	U	0.0071	0.0061	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Methylcyclohexane	0.0014	U	0.0014	0.00071	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Methylene Chloride	**0.0024**	**J**	0.0028	0.0016	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1

Client Sample ID: 12G2_15-16

Lab Sample ID: 460-319830-49

Date Collected: 02/03/25 13:38
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
trans-1,3-Dichloropropene	0.0014	U *	0.0014	0.00038	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☼	02/04/25 22:02	02/09/25 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 22:02*	*02/09/25 01:58*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 22:02*	*02/09/25 01:58*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 22:02*	*02/09/25 01:58*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:02*	*02/09/25 01:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.0**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**98.0**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12G3_13-14

Lab Sample ID: 460-319830-50

Date Collected: 02/03/25 13:33
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00021	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Benzene	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1

Client Sample ID: 12G3_13-14
Date Collected: 02/03/25 13:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-50
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chlorobenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chlorobromomethane	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chlorodibromomethane	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chloroethane	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Ethylene Dibromide	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00050	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
N-Propylbenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
o-Xylene	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
trans-1,3-Dichloropropene	0.00099	U *	0.00099	0.00026	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/04/25 22:03	02/09/25 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 22:03*	*02/09/25 02:23*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/04/25 22:03*	*02/09/25 02:23*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 22:03*	*02/09/25 02:23*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:03*	*02/09/25 02:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12J2_3-4
Date Collected: 02/03/25 10:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-51
Matrix: Solid
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00052	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1

Client Sample ID: 12J2_3-4

Lab Sample ID: 460-319830-51

Date Collected: 02/03/25 10:18
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
trans-1,3-Dichloropropene	0.0014	U *	0.0014	0.00037	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	02/04/25 22:03	02/09/25 02:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*02/04/25 22:03*	*02/09/25 02:48*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 22:03*	*02/09/25 02:48*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/04/25 22:03*	*02/09/25 02:48*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 22:03*	*02/09/25 02:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.6**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.4**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12J1_6-7

Lab Sample ID: 460-319830-52

Date Collected: 02/03/25 10:28
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00033	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Benzene	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1

Client Sample ID: 12J1_6-7
Date Collected: 02/03/25 10:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-52
Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Carbon tetrachloride	0.00089	U	0.00089	0.00035	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chloroform	0.00089	U	0.00089	0.00087	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Ethylbenzene	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Isopropylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Methyl acetate	0.0045	U	0.0045	0.0038	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Methylcyclohexane	0.00089	U	0.00089	0.00045	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
N-Propylbenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
o-Xylene	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
trans-1,3-Dichloropropene	0.00089	U *	0.00089	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*	*02/04/25 22:04*	*02/09/25 03:13*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 22:04*	*02/09/25 03:13*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 22:04*	*02/09/25 03:13*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:04*	*02/09/25 03:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.9**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**96.1**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12J2_8-9
Date Collected: 02/03/25 10:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-53
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Benzene	0.00095	U	0.00095	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chlorobromomethane	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chlorodibromomethane	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Ethylbenzene	0.00095	U	0.00095	0.00019	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Ethylene Dibromide	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
N-Propylbenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
o-Xylene	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1

Client Sample ID: 12J2_8-9

Lab Sample ID: 460-319830-53

Date Collected: 02/03/25 10:35
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
trans-1,3-Dichloropropene	0.00095	U *	0.00095	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*02/04/25 22:04*	*02/09/25 03:38*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*02/04/25 22:04*	*02/09/25 03:38*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 22:04*	*02/09/25 03:38*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:04*	*02/09/25 03:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			02/05/25 20:37	1

Client Sample ID: 12J3_4-5

Lab Sample ID: 460-319830-54

Date Collected: 02/03/25 10:22
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Benzene	0.00095	U	0.00095	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1

Client Sample ID: 12J3_4-5
Date Collected: 02/03/25 10:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-54
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chlorobromomethane	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chlorodibromomethane	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Ethylbenzene	0.00095	U	0.00095	0.00019	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Ethylene Dibromide	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Methylene Chloride	**0.0013**	**J**	0.0019	0.0011	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
N-Propylbenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
o-Xylene	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
trans-1,3-Dichloropropene	0.00095	U *	0.00095	0.00025	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/04/25 22:04	02/09/25 04:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 22:04*	*02/09/25 04:03*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 22:04*	*02/09/25 04:03*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/04/25 22:04*	*02/09/25 04:03*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*02/04/25 22:04*	*02/09/25 04:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.0**		1.0	1.0	%			02/05/25 20:37	1
Percent Solids (EPA Moisture)	**96.0**		1.0	1.0	%			02/05/25 20:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12J1_2-3
Date Collected: 02/03/25 10:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-55
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00020	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Benzene	0.00095	U	0.00095	0.00025	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chlorobenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chlorobromomethane	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chlorodibromomethane	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Ethylbenzene	0.00095	U	0.00095	0.00019	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Ethylene Dibromide	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Methylene Chloride	**0.0018**	**J**	0.0019	0.0011	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
N-Propylbenzene	0.00095	U	0.00095	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
o-Xylene	0.00095	U	0.00095	0.00018	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1

Client Sample ID: 12J1_2-3

Lab Sample ID: 460-319830-55

Date Collected: 02/03/25 10:15
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
trans-1,3-Dichloropropene	0.00095	U *	0.00095	0.00025	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*02/04/25 22:05*	*02/09/25 04:28*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*02/04/25 22:05*	*02/09/25 04:28*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/04/25 22:05*	*02/09/25 04:28*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*	*02/04/25 22:05*	*02/09/25 04:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			02/05/25 20:38	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			02/05/25 20:38	1

Client Sample ID: DUP_01

Lab Sample ID: 460-319830-56

Date Collected: 02/03/25 11:35
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00020	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00019	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Benzene	0.00094	U	0.00094	0.00024	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1

Client Sample ID: DUP_01
Date Collected: 02/03/25 11:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-56
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chlorobenzene	0.00094	U	0.00094	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chlorobromomethane	0.00094	U	0.00094	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chlorodibromomethane	0.00094	U	0.00094	0.00018	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Ethylbenzene	0.00094	U	0.00094	0.00019	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Ethylene Dibromide	0.00094	U	0.00094	0.00017	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00016	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
N-Propylbenzene	0.00094	U	0.00094	0.00016	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
o-Xylene	0.00094	U	0.00094	0.00018	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
trans-1,3-Dichloropropene	0.00094	U *	0.00094	0.00025	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	02/04/25 22:05	02/09/25 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*	*02/04/25 22:05*	*02/09/25 04:53*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/04/25 22:05*	*02/09/25 04:53*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*02/04/25 22:05*	*02/09/25 04:53*	*1*
Toluene-d8 (Surr)	*86*		*71 - 126*	*02/04/25 22:05*	*02/09/25 04:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.8**		1.0	1.0	%			02/05/25 20:38	1
Percent Solids (EPA Moisture)	**94.2**		1.0	1.0	%			02/05/25 20:38	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319830-1	16A2_3-4	92	107	96	87
460-319830-2	16A1_3-4	90	103	95	85
460-319830-3	16A3_5-6	88	104	94	89
460-319830-4	16A3_6-7	91	104	96	88
460-319830-5	16A2_7-8	88	101	95	86
460-319830-6	16B1_8-9	102	105	102	99
460-319830-7	16B3_9-10	105	107	103	99
460-319830-8	16B1_2-3	104	106	102	100
460-319830-9	16B2_3-4	103	107	102	98
460-319830-10	16B3_5-6	106	107	103	98
460-319830-11	16D2_2-3	104	106	101	98
460-319830-12	16D2_7-8	105	107	102	98
460-319830-13	16D1_8-9	105	107	102	98
460-319830-14	16D1_3-4	108	106	102	97
460-319830-15	16D3_4-5	107	106	101	98
460-319830-16	16D3_6-7	108	106	102	97
460-319830-17	16D3_9-10	104	109	103	100
460-319830-17 MS	16D3_9-10	93	106	100	102
460-319830-17 MSD	16D3_9-10	94	107	99	100
460-319830-18	16E2_6-7	105	104	102	98
460-319830-19	16E1_3-4	104	107	102	97
460-319830-20	16E1_4-5	102	105	100	97
460-319830-21	16E3_3-4	103	106	101	99
460-319830-22	16E2_2-3	96	111	97	89
460-319830-23	16E3_8-9	95	107	95	87
460-319830-24	16E2_9-10	97	106	98	87
460-319830-25	16F3_5-6	91	104	95	87
460-319830-26	16F1_4-5	93	103	95	87
460-319830-27	16F1_6-7	94	110	94	86
460-319830-28	16F2_7-8	98	107	95	87
460-319830-29	16F3_3-4	94	107	95	88
460-319830-30	16F2_2-3	97	105	94	87
460-319830-31	16I1_4-5	97	104	95	88
460-319830-32	16I2_2-3	94	102	95	86
460-319830-33	16I3_8-9	91	105	93	88
460-319830-34	16I1_3-4	93	103	95	87
460-319830-35	16I2_7-8	92	105	95	86
460-319830-36	16I3_1-2	93	106	95	87
460-319830-37	12H3_3-4	92	107	95	89
460-319830-38	12H2_16-17	92	106	95	88
460-319830-39	12H1_12-13	90	105	95	88
460-319830-40	12H3_18-19	92	108	96	88
460-319830-41	12H1_7-8	87	102	90	86
460-319830-42	12H2_2-3	89	102	93	85
460-319830-43	12H1_5-6	93	107	97	89
460-319830-44	12G3_8-9	91	104	95	88
460-319830-45	12G1_2-3	90	103	93	88
460-319830-46	12G2_4-5	91	106	95	88
460-319830-47	12G1_19-20	91	105	96	87

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-319830-48	12G3_3-4	90	103	94	86
460-319830-49	12G2_15-16	90	104	96	86
460-319830-50	12G3_13-14	91	106	96	86
460-319830-51	12J2_3-4	99	105	99	88
460-319830-52	12J1_6-7	91	104	95	86
460-319830-53	12J2_8-9	95	103	96	86
460-319830-54	12J3_4-5	92	104	96	87
460-319830-55	12J1_2-3	92	104	98	88
460-319830-56	DUP_01	90	105	95	86
LCS 460-1020232/3	Lab Control Sample	88	106	92	90
LCS 460-1020247/3	Lab Control Sample	100	104	100	99
LCS 460-1020248/3	Lab Control Sample	87	104	93	91
LCS 460-1020328/3	Lab Control Sample	90	108	93	91
LCSD 460-1020232/4	Lab Control Sample Dup	87	108	95	92
LCSD 460-1020247/4	Lab Control Sample Dup	100	103	100	98
LCSD 460-1020248/4	Lab Control Sample Dup	89	110	95	94
LCSD 460-1020328/4	Lab Control Sample Dup	89	109	93	90
MB 460-1020232/7	Method Blank	90	107	96	90
MB 460-1020247/7	Method Blank	99	106	100	99
MB 460-1020248/7	Method Blank	88	106	97	90
MB 460-1020328/7	Method Blank	90	103	93	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: 460-319830-17 MS
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: 16D3_9-10
Prep Type: Total/NA
Prep Batch: 1019597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0010	U	0.0201	0.0183		mg/Kg	☼	91	78 - 120
1,1,2,2-Tetrachloroethane	0.0010	U	0.0201	0.0139	*	mg/Kg	☼	69	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0201	0.0195		mg/Kg	☼	97	75 - 121
1,1,2-Trichloroethane	0.0010	U	0.0201	0.0151	*	mg/Kg	☼	75	80 - 120
1,1-Dichloroethane	0.0010	U	0.0201	0.0181		mg/Kg	☼	90	72 - 120
1,1-Dichloroethene	0.0010	U	0.0201	0.0193		mg/Kg	☼	96	76 - 120
1,2,3-Trichlorobenzene	0.0010	U	0.0201	0.00800	*	mg/Kg	☼	40	77 - 137
1,2,4-Trichlorobenzene	0.0010	U	0.0201	0.00843	*	mg/Kg	☼	42	77 - 136
1,2,4-Trimethylbenzene	0.0010	U	0.0201	0.0155		mg/Kg	☼	77	75 - 120
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0201	0.0116	*	mg/Kg	☼	58	80 - 124
1,2-Dichlorobenzene	0.0010	U	0.0201	0.0126	*	mg/Kg	☼	63	80 - 120
1,2-Dichloroethane	0.0010	U	0.0201	0.0151		mg/Kg	☼	75	70 - 123
1,2-Dichloropropane	0.0010	U	0.0201	0.0161		mg/Kg	☼	80	73 - 124
1,3,5-Trimethylbenzene	0.0010	U	0.0201	0.0149		mg/Kg	☼	74	70 - 120
1,3-Dichlorobenzene	0.0010	U	0.0201	0.0131	*	mg/Kg	☼	66	80 - 120
1,4-Dichlorobenzene	0.0010	U	0.0201	0.0130	*	mg/Kg	☼	65	80 - 120
2-Butanone (MEK)	0.0051	U	0.100	0.0848		mg/Kg	☼	85	64 - 128
2-Hexanone	0.0051	U	0.100	0.0830		mg/Kg	☼	83	75 - 120
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.100	0.0872		mg/Kg	☼	87	80 - 120
Acetone	0.0061	U	0.100	0.108		mg/Kg	☼	107	58 - 122
Benzene	0.0010	U	0.0201	0.0180		mg/Kg	☼	90	75 - 120
Bromoform	0.0010	U	0.0201	0.0131		mg/Kg	☼	65	61 - 125
Bromomethane	0.0020	U *	0.0201	0.0405	*	mg/Kg	☼	202	37 - 150
Carbon disulfide	0.0010	U	0.0201	0.0177		mg/Kg	☼	88	57 - 133
Carbon tetrachloride	0.0010	U	0.0201	0.0174		mg/Kg	☼	87	66 - 127
Chlorobenzene	0.0010	U	0.0201	0.0153	*	mg/Kg	☼	76	80 - 120
Chlorobromomethane	0.0010	U	0.0201	0.0162		mg/Kg	☼	81	76 - 127
Chlorodibromomethane	0.0010	U	0.0201	0.0148		mg/Kg	☼	74	72 - 120
Chloroethane	0.0010	U	0.0201	0.0181		mg/Kg	☼	90	60 - 123
Chloroform	0.0010	U	0.0201	0.0175		mg/Kg	☼	87	79 - 126
Chloromethane	0.0010	U	0.0201	0.0186		mg/Kg	☼	93	46 - 122
cis-1,2-Dichloroethene	0.0010	U	0.0201	0.0172		mg/Kg	☼	86	80 - 123
cis-1,3-Dichloropropene	0.0010	U	0.0201	0.0156		mg/Kg	☼	78	75 - 120
Cyclohexane	0.0010	U	0.0201	0.0167		mg/Kg	☼	83	65 - 132
Dichlorobromomethane	0.0010	U	0.0201	0.0158		mg/Kg	☼	79	77 - 124
Dichlorodifluoromethane	0.0010	U	0.0201	0.0197		mg/Kg	☼	98	45 - 129
Ethylbenzene	0.0010	U	0.0201	0.0159	*	mg/Kg	☼	79	80 - 120
Ethylene Dibromide	0.0010	U	0.0201	0.0138	*	mg/Kg	☼	69	79 - 120
Isopropylbenzene	0.0010	U	0.0201	0.0144	*	mg/Kg	☼	72	74 - 120
Methyl acetate	0.0065		0.0401	0.0552	*	mg/Kg	☼	121	57 - 120
Methyl tert-butyl ether	0.0010	U	0.0201	0.0155		mg/Kg	☼	77	74 - 125
Methylcyclohexane	0.0010	U	0.0201	0.0129	*	mg/Kg	☼	64	66 - 125
Methylene Chloride	0.0013	J	0.0201	0.0168	*	mg/Kg	☼	77	78 - 120
m-Xylene & p-Xylene	0.0010	U	0.0201	0.0159	*	mg/Kg	☼	79	80 - 120
n-Butylbenzene	0.0010	U	0.0201	0.0109	*	mg/Kg	☼	54	72 - 120
N-Propylbenzene	0.0010	U	0.0201	0.0151		mg/Kg	☼	75	68 - 120
o-Xylene	0.0010	U	0.0201	0.0154	*	mg/Kg	☼	77	80 - 120
sec-Butylbenzene	0.0010	U	0.0201	0.0129	*	mg/Kg	☼	64	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-319830-17 MS
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: 16D3_9-10
Prep Type: Total/NA
Prep Batch: 1019597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	0.0010	U	0.0201	0.0147	*	mg/Kg	☼	73	80 - 120
tert-Butylbenzene	0.0010	U	0.0201	0.0143	*	mg/Kg	☼	71	80 - 120
Tetrachloroethene	0.0010	U	0.0201	0.0159		mg/Kg	☼	79	73 - 120
Toluene	0.00024	J	0.0201	0.0171		mg/Kg	☼	84	80 - 120
trans-1,2-Dichloroethene	0.0010	U	0.0201	0.0178		mg/Kg	☼	89	78 - 120
trans-1,3-Dichloropropene	0.0010	U	0.0201	0.0140	*	mg/Kg	☼	70	77 - 120
Trichloroethene	0.0010	U	0.0201	0.0169		mg/Kg	☼	84	80 - 120
Trichlorofluoromethane	0.0010	U	0.0201	0.0188		mg/Kg	☼	94	61 - 130
Vinyl chloride	0.0010	U	0.0201	0.0198		mg/Kg	☼	99	54 - 122
Xylenes, Total	0.0020	U	0.0401	0.0314	*	mg/Kg	☼	78	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*
4-Bromofluorobenzene	*106*		*71 - 128*
Dibromofluoromethane (Surr)	*100*		*50 - 150*
Toluene-d8 (Surr)	*102*		*71 - 126*

Lab Sample ID: 460-319830-17 MSD
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: 16D3_9-10
Prep Type: Total/NA
Prep Batch: 1019597

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0010	U	0.0196	0.0179		mg/Kg	☼	91	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0010	U	0.0196	0.0136	*	mg/Kg	☼	69	70 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0196	0.0198		mg/Kg	☼	101	75 - 121	1	30
1,1,2-Trichloroethane	0.0010	U	0.0196	0.0151	*	mg/Kg	☼	77	80 - 120	0	30
1,1-Dichloroethane	0.0010	U	0.0196	0.0176		mg/Kg	☼	90	72 - 120	3	30
1,1-Dichloroethene	0.0010	U	0.0196	0.0187		mg/Kg	☼	95	76 - 120	3	30
1,2,3-Trichlorobenzene	0.0010	U	0.0196	0.00793	*	mg/Kg	☼	41	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0010	U	0.0196	0.00847	*	mg/Kg	☼	43	77 - 136	1	30
1,2,4-Trimethylbenzene	0.0010	U	0.0196	0.0144	*	mg/Kg	☼	74	75 - 120	7	30
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0196	0.0117	*	mg/Kg	☼	60	80 - 124	1	30
1,2-Dichlorobenzene	0.0010	U	0.0196	0.0123	*	mg/Kg	☼	63	80 - 120	2	30
1,2-Dichloroethane	0.0010	U	0.0196	0.0148		mg/Kg	☼	76	70 - 123	2	30
1,2-Dichloropropane	0.0010	U	0.0196	0.0163		mg/Kg	☼	83	73 - 124	2	30
1,3,5-Trimethylbenzene	0.0010	U	0.0196	0.0146		mg/Kg	☼	75	70 - 120	2	30
1,3-Dichlorobenzene	0.0010	U	0.0196	0.0128	*	mg/Kg	☼	65	80 - 120	3	30
1,4-Dichlorobenzene	0.0010	U	0.0196	0.0126	*	mg/Kg	☼	64	80 - 120	3	30
2-Butanone (MEK)	0.0051	U	0.0979	0.0806		mg/Kg	☼	82	64 - 128	5	30
2-Hexanone	0.0051	U	0.0979	0.0820		mg/Kg	☼	84	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0979	0.0852		mg/Kg	☼	87	80 - 120	2	30
Acetone	0.0061	U	0.0979	0.111		mg/Kg	☼	114	58 - 122	3	30
Benzene	0.0010	U	0.0196	0.0175		mg/Kg	☼	89	75 - 120	3	30
Bromoform	0.0010	U	0.0196	0.0130		mg/Kg	☼	67	61 - 125	1	30
Bromomethane	0.0020	U *	0.0196	0.0414	*	mg/Kg	☼	211	37 - 150	2	30
Carbon disulfide	0.0010	U	0.0196	0.0173		mg/Kg	☼	88	57 - 133	2	30
Carbon tetrachloride	0.0010	U	0.0196	0.0175		mg/Kg	☼	89	66 - 127	1	30
Chlorobenzene	0.0010	U	0.0196	0.0151	*	mg/Kg	☼	77	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-319830-17 MSD
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: 16D3_9-10
Prep Type: Total/NA
Prep Batch: 1019597

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane	0.0010	U	0.0196	0.0157		mg/Kg	☼	80	76 - 127	3	30
Chlorodibromomethane	0.0010	U	0.0196	0.0143		mg/Kg	☼	73	72 - 120	3	30
Chloroethane	0.0010	U	0.0196	0.0192		mg/Kg	☼	98	60 - 123	6	30
Chloroform	0.0010	U	0.0196	0.0172		mg/Kg	☼	88	79 - 126	2	30
Chloromethane	0.0010	U	0.0196	0.0195		mg/Kg	☼	100	46 - 122	5	30
cis-1,2-Dichloroethene	0.0010	U	0.0196	0.0167		mg/Kg	☼	85	80 - 123	3	30
cis-1,3-Dichloropropene	0.0010	U	0.0196	0.0153		mg/Kg	☼	78	75 - 120	2	30
Cyclohexane	0.0010	U	0.0196	0.0176		mg/Kg	☼	90	65 - 132	5	30
Dichlorobromomethane	0.0010	U	0.0196	0.0158		mg/Kg	☼	81	77 - 124	0	30
Dichlorodifluoromethane	0.0010	U	0.0196	0.0213		mg/Kg	☼	109	45 - 129	8	30
Ethylbenzene	0.0010	U	0.0196	0.0157		mg/Kg	☼	80	80 - 120	2	30
Ethylene Dibromide	0.0010	U	0.0196	0.0136	*	mg/Kg	☼	69	79 - 120	2	30
Isopropylbenzene	0.0010	U	0.0196	0.0146		mg/Kg	☼	75	74 - 120	1	30
Methyl acetate	0.0065		0.0392	0.0417		mg/Kg	☼	90	57 - 120	28	30
Methyl tert-butyl ether	0.0010	U	0.0196	0.0151		mg/Kg	☼	77	74 - 125	2	30
Methylcyclohexane	0.0010	U	0.0196	0.0148		mg/Kg	☼	76	66 - 125	14	30
Methylene Chloride	0.0013	J	0.0196	0.0164	*	mg/Kg	☼	77	78 - 120	2	30
m-Xylene & p-Xylene	0.0010	U	0.0196	0.0149	*	mg/Kg	☼	76	80 - 120	7	30
n-Butylbenzene	0.0010	U	0.0196	0.0111	*	mg/Kg	☼	57	72 - 120	2	30
N-Propylbenzene	0.0010	U	0.0196	0.0150		mg/Kg	☼	76	68 - 120	1	30
o-Xylene	0.0010	U	0.0196	0.0152	*	mg/Kg	☼	78	80 - 120	2	30
sec-Butylbenzene	0.0010	U	0.0196	0.0134	*	mg/Kg	☼	69	78 - 120	4	30
Styrene	0.0010	U	0.0196	0.0143	*	mg/Kg	☼	73	80 - 120	3	30
tert-Butylbenzene	0.0010	U	0.0196	0.0145	*	mg/Kg	☼	74	80 - 120	1	30
Tetrachloroethene	0.0010	U	0.0196	0.0155		mg/Kg	☼	79	73 - 120	3	30
Toluene	0.00024	J	0.0196	0.0168		mg/Kg	☼	84	80 - 120	2	30
trans-1,2-Dichloroethene	0.0010	U	0.0196	0.0176		mg/Kg	☼	90	78 - 120	2	30
trans-1,3-Dichloropropene	0.0010	U	0.0196	0.0137	*	mg/Kg	☼	70	77 - 120	2	30
Trichloroethene	0.0010	U	0.0196	0.0168		mg/Kg	☼	86	80 - 120	0	30
Trichlorofluoromethane	0.0010	U	0.0196	0.0201		mg/Kg	☼	103	61 - 130	6	30
Vinyl chloride	0.0010	U	0.0196	0.0198		mg/Kg	☼	101	54 - 122	0	30
Xylenes, Total	0.0020	U	0.0392	0.0300	*	mg/Kg	☼	77	80 - 120	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*107*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*100*		*71 - 126*

Lab Sample ID: MB 460-1020232/7
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/07/25 21:41	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/07/25 21:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/07/25 21:41	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/07/25 21:41	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020232/7
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/07/25 21:41	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/07/25 21:41	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/07/25 21:41	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/07/25 21:41	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/07/25 21:41	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/07/25 21:41	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/07/25 21:41	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/07/25 21:41	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/07/25 21:41	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/07/25 21:41	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/07/25 21:41	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/07/25 21:41	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/07/25 21:41	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/07/25 21:41	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/07/25 21:41	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/07/25 21:41	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/07/25 21:41	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/07/25 21:41	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/07/25 21:41	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/07/25 21:41	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/07/25 21:41	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/07/25 21:41	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/07/25 21:41	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/07/25 21:41	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/07/25 21:41	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/07/25 21:41	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/07/25 21:41	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/07/25 21:41	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/07/25 21:41	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/07/25 21:41	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/07/25 21:41	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/07/25 21:41	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/07/25 21:41	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/07/25 21:41	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/07/25 21:41	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/07/25 21:41	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/07/25 21:41	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/07/25 21:41	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/07/25 21:41	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/07/25 21:41	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/07/25 21:41	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/07/25 21:41	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/07/25 21:41	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/07/25 21:41	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/07/25 21:41	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/07/25 21:41	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/07/25 21:41	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/07/25 21:41	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/07/25 21:41	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020232/7
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/07/25 21:41	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/07/25 21:41	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/07/25 21:41	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/07/25 21:41	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/07/25 21:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*		*02/07/25 21:41*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*		*02/07/25 21:41*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*		*02/07/25 21:41*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*02/07/25 21:41*	*1*

Lab Sample ID: LCS 460-1020232/3
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0211		mg/Kg		106	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0183		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0230		mg/Kg		115	75 - 121
1,1,2-Trichloroethane	0.0200	0.0173		mg/Kg		86	80 - 120
1,1-Dichloroethane	0.0200	0.0207		mg/Kg		104	72 - 120
1,1-Dichloroethene	0.0200	0.0200		mg/Kg		100	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0216		mg/Kg		108	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0205		mg/Kg		103	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0179		mg/Kg		89	80 - 124
1,2-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
1,2-Dichloroethane	0.0200	0.0184		mg/Kg		92	70 - 123
1,2-Dichloropropane	0.0200	0.0196		mg/Kg		98	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	70 - 120
1,3-Dichlorobenzene	0.0200	0.0212		mg/Kg		106	80 - 120
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
2-Butanone (MEK)	0.100	0.0941		mg/Kg		94	64 - 128
2-Hexanone	0.100	0.0924		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0930		mg/Kg		93	80 - 120
Acetone	0.100	0.102		mg/Kg		102	58 - 122
Benzene	0.0200	0.0189		mg/Kg		94	75 - 120
Bromoform	0.0200	0.0187		mg/Kg		93	61 - 125
Bromomethane	0.0200	0.0149		mg/Kg		75	37 - 150
Carbon disulfide	0.0200	0.0195		mg/Kg		97	57 - 133
Carbon tetrachloride	0.0200	0.0226		mg/Kg		113	66 - 127
Chlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0188		mg/Kg		94	72 - 120
Chloroethane	0.0200	0.0153		mg/Kg		76	60 - 123
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126
Chloromethane	0.0200	0.0185		mg/Kg		92	46 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020232/3
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0200	0.0203		mg/Kg		101	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0173		mg/Kg		87	75 - 120
Cyclohexane	0.0200	0.0214		mg/Kg		107	65 - 132
Dichlorobromomethane	0.0200	0.0189		mg/Kg		94	77 - 124
Dichlorodifluoromethane	0.0200	0.0193		mg/Kg		97	45 - 129
Ethylbenzene	0.0200	0.0205		mg/Kg		103	80 - 120
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	79 - 120
Isopropylbenzene	0.0200	0.0198		mg/Kg		99	74 - 120
Methyl acetate	0.0400	0.0389		mg/Kg		97	57 - 120
Methyl tert-butyl ether	0.0200	0.0174		mg/Kg		87	74 - 125
Methylcyclohexane	0.0200	0.0215		mg/Kg		107	66 - 125
Methylene Chloride	0.0200	0.0193		mg/Kg		96	78 - 120
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120
n-Butylbenzene	0.0200	0.0214		mg/Kg		107	72 - 120
N-Propylbenzene	0.0200	0.0215		mg/Kg		108	68 - 120
o-Xylene	0.0200	0.0193		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0217		mg/Kg		108	78 - 120
Styrene	0.0200	0.0180		mg/Kg		90	80 - 120
tert-Butylbenzene	0.0200	0.0209		mg/Kg		105	80 - 120
Tetrachloroethene	0.0200	0.0225		mg/Kg		113	73 - 120
Toluene	0.0200	0.0189		mg/Kg		95	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		103	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0158		mg/Kg		79	77 - 120
Trichloroethene	0.0200	0.0215		mg/Kg		108	80 - 120
Trichlorofluoromethane	0.0200	0.0145		mg/Kg		73	61 - 130
Vinyl chloride	0.0200	0.0168		mg/Kg		84	54 - 122
Xylenes, Total	0.0400	0.0393		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*
4-Bromofluorobenzene	*106*		*71 - 128*
Dibromofluoromethane (Surr)	*92*		*50 - 150*
Toluene-d8 (Surr)	*90*		*71 - 126*

Lab Sample ID: LCSD 460-1020232/4
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0214		mg/Kg		107	78 - 120	1	30
1,1,2,2-Tetrachloroethane	0.0200	0.0184		mg/Kg		92	70 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0217		mg/Kg		108	75 - 121	6	30
1,1,2-Trichloroethane	0.0200	0.0177		mg/Kg		89	80 - 120	3	30
1,1-Dichloroethane	0.0200	0.0213		mg/Kg		106	72 - 120	3	30
1,1-Dichloroethene	0.0200	0.0199		mg/Kg		100	76 - 120	0	30
1,2,3-Trichlorobenzene	0.0200	0.0223		mg/Kg		112	77 - 137	3	30
1,2,4-Trichlorobenzene	0.0200	0.0227		mg/Kg		114	77 - 136	2	30
1,2,4-Trimethylbenzene	0.0200	0.0209		mg/Kg		104	75 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020232/4
Matrix: Solid
Analysis Batch: 1020232

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	80 - 124	4	30
1,2-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	0	30
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123	4	30
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124	3	30
1,3,5-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	70 - 120	0	30
1,3-Dichlorobenzene	0.0200	0.0217		mg/Kg		108	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120	2	30
2-Butanone (MEK)	0.100	0.0958		mg/Kg		96	64 - 128	2	30
2-Hexanone	0.100	0.0972		mg/Kg		97	75 - 120	5	30
4-Methyl-2-pentanone (MIBK)	0.100	0.100		mg/Kg		100	80 - 120	7	30
Acetone	0.100	0.108		mg/Kg		108	58 - 122	5	30
Benzene	0.0200	0.0193		mg/Kg		97	75 - 120	2	30
Bromoform	0.0200	0.0189		mg/Kg		95	61 - 125	1	30
Bromomethane	0.0200	0.0145		mg/Kg		73	37 - 150	3	30
Carbon disulfide	0.0200	0.0197		mg/Kg		98	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0222		mg/Kg		111	66 - 127	1	30
Chlorobenzene	0.0200	0.0209		mg/Kg		104	80 - 120	2	30
Chlorobromomethane	0.0200	0.0197		mg/Kg		98	76 - 127	4	30
Chlorodibromomethane	0.0200	0.0192		mg/Kg		96	72 - 120	2	30
Chloroethane	0.0200	0.0144		mg/Kg		72	60 - 123	6	30
Chloroform	0.0200	0.0208		mg/Kg		104	79 - 126	4	30
Chloromethane	0.0200	0.0179		mg/Kg		89	46 - 122	3	30
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123	3	30
cis-1,3-Dichloropropene	0.0200	0.0180		mg/Kg		90	75 - 120	4	30
Cyclohexane	0.0200	0.0216		mg/Kg		108	65 - 132	1	30
Dichlorobromomethane	0.0200	0.0196		mg/Kg		98	77 - 124	4	30
Dichlorodifluoromethane	0.0200	0.0186		mg/Kg		93	45 - 129	4	30
Ethylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120	0	30
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120	4	30
Isopropylbenzene	0.0200	0.0200		mg/Kg		100	74 - 120	1	30
Methyl acetate	0.0400	0.0390		mg/Kg		98	57 - 120	0	30
Methyl tert-butyl ether	0.0200	0.0177		mg/Kg		88	74 - 125	2	30
Methylcyclohexane	0.0200	0.0220		mg/Kg		110	66 - 125	2	30
Methylene Chloride	0.0200	0.0195		mg/Kg		98	78 - 120	1	30
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120	0	30
n-Butylbenzene	0.0200	0.0212		mg/Kg		106	72 - 120	1	30
N-Propylbenzene	0.0200	0.0218		mg/Kg		109	68 - 120	1	30
o-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120	0	30
sec-Butylbenzene	0.0200	0.0219		mg/Kg		110	78 - 120	1	30
Styrene	0.0200	0.0185		mg/Kg		93	80 - 120	3	30
tert-Butylbenzene	0.0200	0.0212		mg/Kg		106	80 - 120	1	30
Tetrachloroethene	0.0200	0.0227		mg/Kg		113	73 - 120	1	30
Toluene	0.0200	0.0194		mg/Kg		97	80 - 120	3	30
trans-1,2-Dichloroethene	0.0200	0.0210		mg/Kg		105	78 - 120	2	30
trans-1,3-Dichloropropene	0.0200	0.0164		mg/Kg		82	77 - 120	4	30
Trichloroethene	0.0200	0.0223		mg/Kg		112	80 - 120	4	30
Trichlorofluoromethane	0.0200	0.0140		mg/Kg		70	61 - 130	4	30
Vinyl chloride	0.0200	0.0164		mg/Kg		82	54 - 122	2	30
Xylenes, Total	0.0400	0.0393		mg/Kg		98	80 - 120	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*95*		*50 - 150*
Toluene-d8 (Surr)	*92*		*71 - 126*

Lab Sample ID: MB 460-1020247/7
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 06:37	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 06:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 06:37	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 06:37	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 06:37	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 06:37	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 06:37	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 06:37	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 06:37	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/08/25 06:37	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 06:37	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 06:37	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/08/25 06:37	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 06:37	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/08/25 06:37	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 06:37	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/08/25 06:37	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/08/25 06:37	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/08/25 06:37	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/08/25 06:37	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 06:37	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/08/25 06:37	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/08/25 06:37	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 06:37	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/08/25 06:37	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 06:37	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 06:37	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 06:37	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/08/25 06:37	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/08/25 06:37	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/08/25 06:37	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 06:37	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 06:37	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/08/25 06:37	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 06:37	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/08/25 06:37	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/08/25 06:37	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 06:37	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 06:37	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/08/25 06:37	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/08/25 06:37	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020247/7
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/08/25 06:37	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/08/25 06:37	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/08/25 06:37	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 06:37	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 06:37	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 06:37	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 06:37	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 06:37	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 06:37	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 06:37	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 06:37	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 06:37	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 06:37	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/08/25 06:37	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/08/25 06:37	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/08/25 06:37	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/08/25 06:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*		*02/08/25 06:37*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*		*02/08/25 06:37*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*		*02/08/25 06:37*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*02/08/25 06:37*	*1*

Lab Sample ID: LCS 460-1020247/3
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0193		mg/Kg		96	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0176		mg/Kg		88	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0210		mg/Kg		105	75 - 121
1,1,2-Trichloroethane	0.0200	0.0178		mg/Kg		89	80 - 120
1,1-Dichloroethane	0.0200	0.0188		mg/Kg		94	72 - 120
1,1-Dichloroethene	0.0200	0.0199		mg/Kg		99	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0183		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0185		mg/Kg		93	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0191		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0165		mg/Kg		83	80 - 124
1,2-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 123
1,2-Dichloropropane	0.0200	0.0177		mg/Kg		89	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0197		mg/Kg		99	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0883		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0859		mg/Kg		86	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0878		mg/Kg		88	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020247/3
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.100	0.0902		mg/Kg		90	58 - 122
Benzene	0.0200	0.0186		mg/Kg		93	75 - 120
Bromoform	0.0200	0.0167		mg/Kg		84	61 - 125
Bromomethane	0.0200	0.0339	*	mg/Kg		169	37 - 150
Carbon disulfide	0.0200	0.0197		mg/Kg		98	57 - 133
Carbon tetrachloride	0.0200	0.0188		mg/Kg		94	66 - 127
Chlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
Chlorobromomethane	0.0200	0.0182		mg/Kg		91	76 - 127
Chlorodibromomethane	0.0200	0.0169		mg/Kg		85	72 - 120
Chloroethane	0.0200	0.0197		mg/Kg		99	60 - 123
Chloroform	0.0200	0.0187		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0199		mg/Kg		100	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0185		mg/Kg		93	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0180		mg/Kg		90	75 - 120
Cyclohexane	0.0200	0.0202		mg/Kg		101	65 - 132
Dichlorobromomethane	0.0200	0.0179		mg/Kg		89	77 - 124
Dichlorodifluoromethane	0.0200	0.0215		mg/Kg		107	45 - 129
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Ethylene Dibromide	0.0200	0.0168		mg/Kg		84	79 - 120
Isopropylbenzene	0.0200	0.0189		mg/Kg		94	74 - 120
Methyl acetate	0.0400	0.0352		mg/Kg		88	57 - 120
Methyl tert-butyl ether	0.0200	0.0177		mg/Kg		89	74 - 125
Methylcyclohexane	0.0200	0.0198		mg/Kg		99	66 - 125
Methylene Chloride	0.0200	0.0173		mg/Kg		87	78 - 120
m-Xylene & p-Xylene	0.0200	0.0180		mg/Kg		90	80 - 120
n-Butylbenzene	0.0200	0.0192		mg/Kg		96	72 - 120
N-Propylbenzene	0.0200	0.0197		mg/Kg		99	68 - 120
o-Xylene	0.0200	0.0181		mg/Kg		90	80 - 120
sec-Butylbenzene	0.0200	0.0199		mg/Kg		100	78 - 120
Styrene	0.0200	0.0180		mg/Kg		90	80 - 120
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Tetrachloroethene	0.0200	0.0185		mg/Kg		92	73 - 120
Toluene	0.0200	0.0187		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0171		mg/Kg		85	77 - 120
Trichloroethene	0.0200	0.0189		mg/Kg		95	80 - 120
Trichlorofluoromethane	0.0200	0.0204		mg/Kg		102	61 - 130
Vinyl chloride	0.0200	0.0204		mg/Kg		102	54 - 122
Xylenes, Total	0.0400	0.0361		mg/Kg		90	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*
4-Bromofluorobenzene	*104*		*71 - 128*
Dibromofluoromethane (Surr)	*100*		*50 - 150*
Toluene-d8 (Surr)	*99*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020247/4
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0200		mg/Kg		100	78 - 120	3	30
1,1,2,2-Tetrachloroethane			0.0200	0.0186		mg/Kg		93	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0218		mg/Kg		109	75 - 121	4	30
1,1,2-Trichloroethane			0.0200	0.0187		mg/Kg		94	80 - 120	5	30
1,1-Dichloroethane			0.0200	0.0195		mg/Kg		97	72 - 120	4	30
1,1-Dichloroethene			0.0200	0.0208		mg/Kg		104	76 - 120	5	30
1,2,3-Trichlorobenzene			0.0200	0.0192		mg/Kg		96	77 - 137	5	30
1,2,4-Trichlorobenzene			0.0200	0.0189		mg/Kg		95	77 - 136	2	30
1,2,4-Trimethylbenzene			0.0200	0.0196		mg/Kg		98	75 - 120	3	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0176		mg/Kg		88	80 - 124	6	30
1,2-Dichlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0182		mg/Kg		91	70 - 123	6	30
1,2-Dichloropropane			0.0200	0.0187		mg/Kg		94	73 - 124	6	30
1,3,5-Trimethylbenzene			0.0200	0.0203		mg/Kg		101	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	3	30
1,4-Dichlorobenzene			0.0200	0.0195		mg/Kg		97	80 - 120	3	30
2-Butanone (MEK)			0.100	0.0892		mg/Kg		89	64 - 128	1	30
2-Hexanone			0.100	0.0891		mg/Kg		89	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0907		mg/Kg		91	80 - 120	3	30
Acetone			0.100	0.0909		mg/Kg		91	58 - 122	1	30
Benzene			0.0200	0.0195		mg/Kg		98	75 - 120	5	30
Bromoform			0.0200	0.0177		mg/Kg		89	61 - 125	6	30
Bromomethane			0.0200	0.0367	*	mg/Kg		184	37 - 150	8	30
Carbon disulfide			0.0200	0.0204		mg/Kg		102	57 - 133	4	30
Carbon tetrachloride			0.0200	0.0197		mg/Kg		98	66 - 127	5	30
Chlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
Chlorobromomethane			0.0200	0.0190		mg/Kg		95	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0179		mg/Kg		90	72 - 120	6	30
Chloroethane			0.0200	0.0221		mg/Kg		110	60 - 123	11	30
Chloroform			0.0200	0.0194		mg/Kg		97	79 - 126	4	30
Chloromethane			0.0200	0.0224		mg/Kg		112	46 - 122	12	30
cis-1,2-Dichloroethene			0.0200	0.0195		mg/Kg		97	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0185		mg/Kg		93	75 - 120	3	30
Cyclohexane			0.0200	0.0209		mg/Kg		105	65 - 132	4	30
Dichlorobromomethane			0.0200	0.0188		mg/Kg		94	77 - 124	5	30
Dichlorodifluoromethane			0.0200	0.0236		mg/Kg		118	45 - 129	10	30
Ethylbenzene			0.0200	0.0190		mg/Kg		95	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0177		mg/Kg		88	79 - 120	5	30
Isopropylbenzene			0.0200	0.0194		mg/Kg		97	74 - 120	3	30
Methyl acetate			0.0400	0.0372		mg/Kg		93	57 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0185		mg/Kg		93	74 - 125	5	30
Methylcyclohexane			0.0200	0.0203		mg/Kg		102	66 - 125	3	30
Methylene Chloride			0.0200	0.0182		mg/Kg		91	78 - 120	5	30
m-Xylene & p-Xylene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
n-Butylbenzene			0.0200	0.0198		mg/Kg		99	72 - 120	3	30
N-Propylbenzene			0.0200	0.0204		mg/Kg		102	68 - 120	3	30
o-Xylene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0206		mg/Kg		103	78 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020247/4
Matrix: Solid
Analysis Batch: 1020247

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
tert-Butylbenzene			0.0200	0.0202		mg/Kg		101	80 - 120	3	30
Tetrachloroethene			0.0200	0.0192		mg/Kg		96	73 - 120	4	30
Toluene			0.0200	0.0192		mg/Kg		96	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0201		mg/Kg		100	78 - 120	5	30
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		90	77 - 120	5	30
Trichloroethene			0.0200	0.0195		mg/Kg		98	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0230		mg/Kg		115	61 - 130	12	30
Vinyl chloride			0.0200	0.0229		mg/Kg		115	54 - 122	12	30
Xylenes, Total			0.0400	0.0377		mg/Kg		94	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*
4-Bromofluorobenzene	*103*		*71 - 128*
Dibromofluoromethane (Surr)	*100*		*50 - 150*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: MB 460-1020248/7
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 10:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 10:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 10:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 10:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 10:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 10:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 10:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 10:10	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 10:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/08/25 10:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 10:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 10:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/08/25 10:10	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 10:10	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/08/25 10:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 10:10	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/08/25 10:10	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/08/25 10:10	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/08/25 10:10	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/08/25 10:10	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 10:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/08/25 10:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/08/25 10:10	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 10:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/08/25 10:10	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 10:10	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020248/7
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 10:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 10:10	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/08/25 10:10	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/08/25 10:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/08/25 10:10	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 10:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 10:10	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/08/25 10:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 10:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/08/25 10:10	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/08/25 10:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 10:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 10:10	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/08/25 10:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/08/25 10:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/08/25 10:10	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/08/25 10:10	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/08/25 10:10	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 10:10	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 10:10	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 10:10	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 10:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 10:10	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 10:10	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 10:10	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 10:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 10:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 10:10	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/08/25 10:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/08/25 10:10	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/08/25 10:10	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/08/25 10:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*		*02/08/25 10:10*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*		*02/08/25 10:10*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*		*02/08/25 10:10*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*		*02/08/25 10:10*	*1*

Lab Sample ID: LCS 460-1020248/3
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0222		mg/Kg		111	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0245	*	mg/Kg		123	75 - 121
1,1,2-Trichloroethane	0.0200	0.0176		mg/Kg		88	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020248/3
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	0.0200	0.0216		mg/Kg		108	72 - 120
1,1-Dichloroethene	0.0200	0.0218		mg/Kg		109	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0222		mg/Kg		111	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0171		mg/Kg		86	80 - 124
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 123
1,2-Dichloropropane	0.0200	0.0203		mg/Kg		101	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0206		mg/Kg		103	70 - 120
1,3-Dichlorobenzene	0.0200	0.0215		mg/Kg		107	80 - 120
1,4-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
2-Butanone (MEK)	0.100	0.0956		mg/Kg		96	64 - 128
2-Hexanone	0.100	0.0933		mg/Kg		93	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0960		mg/Kg		96	80 - 120
Acetone	0.100	0.110		mg/Kg		110	58 - 122
Benzene	0.0200	0.0198		mg/Kg		99	75 - 120
Bromoform	0.0200	0.0182		mg/Kg		91	61 - 125
Bromomethane	0.0200	0.0198		mg/Kg		99	37 - 150
Carbon disulfide	0.0200	0.0243		mg/Kg		122	57 - 133
Carbon tetrachloride	0.0200	0.0234		mg/Kg		117	66 - 127
Chlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120
Chlorobromomethane	0.0200	0.0192		mg/Kg		96	76 - 127
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	72 - 120
Chloroethane	0.0200	0.0200		mg/Kg		100	60 - 123
Chloroform	0.0200	0.0204		mg/Kg		102	79 - 126
Chloromethane	0.0200	0.0240		mg/Kg		120	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0210		mg/Kg		105	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		88	75 - 120
Cyclohexane	0.0200	0.0237		mg/Kg		119	65 - 132
Dichlorobromomethane	0.0200	0.0190		mg/Kg		95	77 - 124
Dichlorodifluoromethane	0.0200	0.0227		mg/Kg		113	45 - 129
Ethylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	79 - 120
Isopropylbenzene	0.0200	0.0212		mg/Kg		106	74 - 120
Methyl acetate	0.0400	0.0398		mg/Kg		100	57 - 120
Methyl tert-butyl ether	0.0200	0.0177		mg/Kg		88	74 - 125
Methylcyclohexane	0.0200	0.0238		mg/Kg		119	66 - 125
Methylene Chloride	0.0200	0.0206		mg/Kg		103	78 - 120
m-Xylene & p-Xylene	0.0200	0.0204		mg/Kg		102	80 - 120
n-Butylbenzene	0.0200	0.0216		mg/Kg		108	72 - 120
N-Propylbenzene	0.0200	0.0219		mg/Kg		110	68 - 120
o-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0220		mg/Kg		110	78 - 120
Styrene	0.0200	0.0179		mg/Kg		90	80 - 120
tert-Butylbenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Tetrachloroethene	0.0200	0.0236		mg/Kg		118	73 - 120
Toluene	0.0200	0.0195		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020248/3
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
trans-1,3-Dichloropropene			0.0200	0.0157		mg/Kg		78	77 - 120		
Trichloroethene			0.0200	0.0220		mg/Kg		110	80 - 120		
Trichlorofluoromethane			0.0200	0.0189		mg/Kg		95	61 - 130		
Vinyl chloride			0.0200	0.0226		mg/Kg		113	54 - 122		
Xylenes, Total			0.0400	0.0399		mg/Kg		100	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*104*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*91*		*71 - 126*

Lab Sample ID: LCSD 460-1020248/4
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0210		mg/Kg		105	78 - 120	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0171		mg/Kg		86	70 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0238		mg/Kg		119	75 - 121	3	30
1,1,2-Trichloroethane			0.0200	0.0170		mg/Kg		85	80 - 120	3	30
1,1-Dichloroethane			0.0200	0.0210		mg/Kg		105	72 - 120	3	30
1,1-Dichloroethene			0.0200	0.0213		mg/Kg		106	76 - 120	2	30
1,2,3-Trichlorobenzene			0.0200	0.0222		mg/Kg		111	77 - 137	0	30
1,2,4-Trichlorobenzene			0.0200	0.0224		mg/Kg		112	77 - 136	1	30
1,2,4-Trimethylbenzene			0.0200	0.0201		mg/Kg		101	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0158	*	mg/Kg		79	80 - 124	8	30
1,2-Dichlorobenzene			0.0200	0.0195		mg/Kg		97	80 - 120	1	30
1,2-Dichloroethane			0.0200	0.0186		mg/Kg		93	70 - 123	2	30
1,2-Dichloropropane			0.0200	0.0196		mg/Kg		98	73 - 124	3	30
1,3,5-Trimethylbenzene			0.0200	0.0205		mg/Kg		103	70 - 120	0	30
1,3-Dichlorobenzene			0.0200	0.0205		mg/Kg		102	80 - 120	5	30
1,4-Dichlorobenzene			0.0200	0.0197		mg/Kg		98	80 - 120	2	30
2-Butanone (MEK)			0.100	0.0979		mg/Kg		98	64 - 128	2	30
2-Hexanone			0.100	0.0924		mg/Kg		92	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0966		mg/Kg		97	80 - 120	1	30
Acetone			0.100	0.111		mg/Kg		111	58 - 122	1	30
Benzene			0.0200	0.0190		mg/Kg		95	75 - 120	4	30
Bromoform			0.0200	0.0174		mg/Kg		87	61 - 125	4	30
Bromomethane			0.0200	0.0191		mg/Kg		96	37 - 150	3	30
Carbon disulfide			0.0200	0.0231		mg/Kg		116	57 - 133	5	30
Carbon tetrachloride			0.0200	0.0225		mg/Kg		112	66 - 127	4	30
Chlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	1	30
Chlorobromomethane			0.0200	0.0192		mg/Kg		96	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0183		mg/Kg		92	72 - 120	0	30
Chloroethane			0.0200	0.0190		mg/Kg		95	60 - 123	5	30
Chloroform			0.0200	0.0199		mg/Kg		100	79 - 126	2	30
Chloromethane			0.0200	0.0225		mg/Kg		113	46 - 122	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020248/4
Matrix: Solid
Analysis Batch: 1020248

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		100	80 - 123	4	30
cis-1,3-Dichloropropene	0.0200	0.0175		mg/Kg		87	75 - 120	1	30
Cyclohexane	0.0200	0.0230		mg/Kg		115	65 - 132	3	30
Dichlorobromomethane	0.0200	0.0185		mg/Kg		93	77 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0219		mg/Kg		109	45 - 129	4	30
Ethylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0179		mg/Kg		90	79 - 120	3	30
Isopropylbenzene	0.0200	0.0208		mg/Kg		104	74 - 120	1	30
Methyl acetate	0.0400	0.0337		mg/Kg		84	57 - 120	17	30
Methyl tert-butyl ether	0.0200	0.0171		mg/Kg		85	74 - 125	3	30
Methylcyclohexane	0.0200	0.0227		mg/Kg		113	66 - 125	5	30
Methylene Chloride	0.0200	0.0201		mg/Kg		100	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120	5	30
n-Butylbenzene	0.0200	0.0207		mg/Kg		104	72 - 120	4	30
N-Propylbenzene	0.0200	0.0210		mg/Kg		105	68 - 120	4	30
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120	4	30
sec-Butylbenzene	0.0200	0.0214		mg/Kg		107	78 - 120	2	30
Styrene	0.0200	0.0174		mg/Kg		87	80 - 120	3	30
tert-Butylbenzene	0.0200	0.0204		mg/Kg		102	80 - 120	5	30
Tetrachloroethene	0.0200	0.0226		mg/Kg		113	73 - 120	5	30
Toluene	0.0200	0.0191		mg/Kg		96	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	78 - 120	3	30
trans-1,3-Dichloropropene	0.0200	0.0156		mg/Kg		78	77 - 120	1	30
Trichloroethene	0.0200	0.0214		mg/Kg		107	80 - 120	3	30
Trichlorofluoromethane	0.0200	0.0181		mg/Kg		90	61 - 130	5	30
Vinyl chloride	0.0200	0.0210		mg/Kg		105	54 - 122	7	30
Xylenes, Total	0.0400	0.0383		mg/Kg		96	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*110*		*71 - 128*
Dibromofluoromethane (Surr)	*95*		*50 - 150*
Toluene-d8 (Surr)	*94*		*71 - 126*

Lab Sample ID: MB 460-1020328/7
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 21:23	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 21:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 21:23	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 21:23	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/08/25 21:23	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 21:23	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 21:23	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 21:23	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 21:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020328/7
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/08/25 21:23	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 21:23	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/08/25 21:23	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/08/25 21:23	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 21:23	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/08/25 21:23	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 21:23	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/08/25 21:23	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/08/25 21:23	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/08/25 21:23	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/08/25 21:23	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 21:23	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/08/25 21:23	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/08/25 21:23	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 21:23	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/08/25 21:23	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 21:23	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 21:23	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 21:23	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/08/25 21:23	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/08/25 21:23	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/08/25 21:23	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/08/25 21:23	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 21:23	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/08/25 21:23	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/08/25 21:23	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/08/25 21:23	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/08/25 21:23	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 21:23	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 21:23	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/08/25 21:23	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/08/25 21:23	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/08/25 21:23	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/08/25 21:23	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/08/25 21:23	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 21:23	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/08/25 21:23	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/08/25 21:23	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/08/25 21:23	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 21:23	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/08/25 21:23	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/08/25 21:23	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/08/25 21:23	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/08/25 21:23	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/08/25 21:23	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/08/25 21:23	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/08/25 21:23	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/08/25 21:23	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/08/25 21:23	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*		*02/08/25 21:23*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*		*02/08/25 21:23*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*		*02/08/25 21:23*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*02/08/25 21:23*	*1*

Lab Sample ID: LCS 460-1020328/3
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0183		mg/Kg		92	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0167		mg/Kg		83	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0193		mg/Kg		96	75 - 121
1,1,2-Trichloroethane	0.0200	0.0164		mg/Kg		82	80 - 120
1,1-Dichloroethane	0.0200	0.0192		mg/Kg		96	72 - 120
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0176		mg/Kg		88	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0162		mg/Kg		81	80 - 124
1,2-Dichlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120
1,2-Dichloroethane	0.0200	0.0180		mg/Kg		90	70 - 123
1,2-Dichloropropane	0.0200	0.0179		mg/Kg		90	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0173		mg/Kg		87	70 - 120
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120
2-Butanone (MEK)	0.100	0.0908		mg/Kg		91	64 - 128
2-Hexanone	0.100	0.0908		mg/Kg		91	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0930		mg/Kg		93	80 - 120
Acetone	0.100	0.0942		mg/Kg		94	58 - 122
Benzene	0.0200	0.0171		mg/Kg		85	75 - 120
Bromoform	0.0200	0.0171		mg/Kg		86	61 - 125
Bromomethane	0.0200	0.0166		mg/Kg		83	37 - 150
Carbon disulfide	0.0200	0.0198		mg/Kg		99	57 - 133
Carbon tetrachloride	0.0200	0.0191		mg/Kg		96	66 - 127
Chlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120
Chlorobromomethane	0.0200	0.0182		mg/Kg		91	76 - 127
Chlorodibromomethane	0.0200	0.0175		mg/Kg		87	72 - 120
Chloroethane	0.0200	0.0160		mg/Kg		80	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0191		mg/Kg		96	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0161		mg/Kg		81	75 - 120
Cyclohexane	0.0200	0.0191		mg/Kg		96	65 - 132
Dichlorobromomethane	0.0200	0.0177		mg/Kg		88	77 - 124
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		91	45 - 129
Ethylbenzene	0.0200	0.0175		mg/Kg		88	80 - 120
Ethylene Dibromide	0.0200	0.0174		mg/Kg		87	79 - 120
Isopropylbenzene	0.0200	0.0179		mg/Kg		90	74 - 120
Methyl acetate	0.0400	0.0391		mg/Kg		98	57 - 120
Methyl tert-butyl ether	0.0200	0.0171		mg/Kg		86	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020328/3
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylcyclohexane	0.0200	0.0190		mg/Kg		95	66 - 125
Methylene Chloride	0.0200	0.0184		mg/Kg		92	78 - 120
m-Xylene & p-Xylene	0.0200	0.0169		mg/Kg		85	80 - 120
n-Butylbenzene	0.0200	0.0165		mg/Kg		82	72 - 120
N-Propylbenzene	0.0200	0.0178		mg/Kg		89	68 - 120
o-Xylene	0.0200	0.0173		mg/Kg		86	80 - 120
sec-Butylbenzene	0.0200	0.0179		mg/Kg		89	78 - 120
Styrene	0.0200	0.0162		mg/Kg		81	80 - 120
tert-Butylbenzene	0.0200	0.0176		mg/Kg		88	80 - 120
Tetrachloroethene	0.0200	0.0193		mg/Kg		96	73 - 120
Toluene	0.0200	0.0170		mg/Kg		85	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0147	*	mg/Kg		74	77 - 120
Trichloroethene	0.0200	0.0193		mg/Kg		97	80 - 120
Trichlorofluoromethane	0.0200	0.0150		mg/Kg		75	61 - 130
Vinyl chloride	0.0200	0.0172		mg/Kg		86	54 - 122
Xylenes, Total	0.0400	0.0342		mg/Kg		85	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*
4-Bromofluorobenzene	*108*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*91*		*71 - 126*

Lab Sample ID: LCSD 460-1020328/4
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0194		mg/Kg		97	78 - 120	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0175		mg/Kg		87	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0198		mg/Kg		99	75 - 121	2	30
1,1,2-Trichloroethane	0.0200	0.0171		mg/Kg		85	80 - 120	4	30
1,1-Dichloroethane	0.0200	0.0199		mg/Kg		99	72 - 120	4	30
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		95	76 - 120	5	30
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		100	77 - 137	6	30
1,2,4-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	77 - 136	10	30
1,2,4-Trimethylbenzene	0.0200	0.0186		mg/Kg		93	75 - 120	7	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0171		mg/Kg		85	80 - 124	5	30
1,2-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	8	30
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		95	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		96	73 - 124	7	30
1,3,5-Trimethylbenzene	0.0200	0.0185		mg/Kg		93	70 - 120	7	30
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	8	30
2-Butanone (MEK)	0.100	0.0967		mg/Kg		97	64 - 128	6	30
2-Hexanone	0.100	0.0977		mg/Kg		98	75 - 120	7	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0968		mg/Kg		97	80 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020328/4
Matrix: Solid
Analysis Batch: 1020328

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			0.100	0.104		mg/Kg		104	58 - 122	10	30
Benzene			0.0200	0.0179		mg/Kg		90	75 - 120	5	30
Bromoform			0.0200	0.0182		mg/Kg		91	61 - 125	6	30
Bromomethane			0.0200	0.0161		mg/Kg		81	37 - 150	3	30
Carbon disulfide			0.0200	0.0207		mg/Kg		104	57 - 133	5	30
Carbon tetrachloride			0.0200	0.0204		mg/Kg		102	66 - 127	6	30
Chlorobenzene			0.0200	0.0191		mg/Kg		95	80 - 120	6	30
Chlorobromomethane			0.0200	0.0187		mg/Kg		94	76 - 127	3	30
Chlorodibromomethane			0.0200	0.0184		mg/Kg		92	72 - 120	5	30
Chloroethane			0.0200	0.0163		mg/Kg		82	60 - 123	2	30
Chloroform			0.0200	0.0194		mg/Kg		97	79 - 126	4	30
Chloromethane			0.0200	0.0194		mg/Kg		97	46 - 122	1	30
cis-1,2-Dichloroethene			0.0200	0.0198		mg/Kg		99	80 - 123	6	30
cis-1,3-Dichloropropene			0.0200	0.0169		mg/Kg		84	75 - 120	4	30
Cyclohexane			0.0200	0.0204		mg/Kg		102	65 - 132	6	30
Dichlorobromomethane			0.0200	0.0188		mg/Kg		94	77 - 124	6	30
Dichlorodifluoromethane			0.0200	0.0179		mg/Kg		90	45 - 129	2	30
Ethylbenzene			0.0200	0.0186		mg/Kg		93	80 - 120	6	30
Ethylene Dibromide			0.0200	0.0184		mg/Kg		92	79 - 120	5	30
Isopropylbenzene			0.0200	0.0187		mg/Kg		93	74 - 120	4	30
Methyl acetate			0.0400	0.0413		mg/Kg		103	57 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0178		mg/Kg		89	74 - 125	4	30
Methylcyclohexane			0.0200	0.0203		mg/Kg		102	66 - 125	7	30
Methylene Chloride			0.0200	0.0193		mg/Kg		96	78 - 120	5	30
m-Xylene & p-Xylene			0.0200	0.0182		mg/Kg		91	80 - 120	7	30
n-Butylbenzene			0.0200	0.0179		mg/Kg		90	72 - 120	8	30
N-Propylbenzene			0.0200	0.0193		mg/Kg		97	68 - 120	8	30
o-Xylene			0.0200	0.0179		mg/Kg		90	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0191		mg/Kg		95	78 - 120	7	30
Styrene			0.0200	0.0171		mg/Kg		86	80 - 120	6	30
tert-Butylbenzene			0.0200	0.0187		mg/Kg		94	80 - 120	6	30
Tetrachloroethene			0.0200	0.0203		mg/Kg		102	73 - 120	5	30
Toluene			0.0200	0.0178		mg/Kg		89	80 - 120	5	30
trans-1,2-Dichloroethene			0.0200	0.0198		mg/Kg		99	78 - 120	5	30
trans-1,3-Dichloropropene			0.0200	0.0155		mg/Kg		77	77 - 120	5	30
Trichloroethene			0.0200	0.0206		mg/Kg		103	80 - 120	6	30
Trichlorofluoromethane			0.0200	0.0155		mg/Kg		78	61 - 130	4	30
Vinyl chloride			0.0200	0.0174		mg/Kg		87	54 - 122	1	30
Xylenes, Total			0.0400	0.0361		mg/Kg		90	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*109*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*90*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319684-A-2 DU
Matrix: Solid
Analysis Batch: 1019779

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	18.4			18.4		%				0	20
Percent Solids	81.6			81.6		%				0	20

Lab Sample ID: 460-319940-A-2 DU
Matrix: Solid
Analysis Batch: 1019779

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.5			12.5		%				7	20
Percent Solids	86.5			87.5		%				1	20

Lab Sample ID: 460-319940-A-3 DU
Matrix: Solid
Analysis Batch: 1019779

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.7			12.6		%				9	20
Percent Solids	86.3			87.4		%				1	20

Lab Sample ID: 460-319940-A-4 DU
Matrix: Solid
Analysis Batch: 1019779

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	19.1			20.3		%				6	20
Percent Solids	80.9			79.7		%				2	20

Lab Sample ID: 460-319940-A-5 DU
Matrix: Solid
Analysis Batch: 1019779

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	21.6			21.9		%				1	20
Percent Solids	78.4			78.1		%				0.4	20

GC/MS VOA

Prep Batch: 1019597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-1	16A2_3-4	Total/NA	Solid	5035	
460-319830-2	16A1_3-4	Total/NA	Solid	5035	
460-319830-3	16A3_5-6	Total/NA	Solid	5035	
460-319830-4	16A3_6-7	Total/NA	Solid	5035	
460-319830-5	16A2_7-8	Total/NA	Solid	5035	
460-319830-6	16B1_8-9	Total/NA	Solid	5035	
460-319830-7	16B3_9-10	Total/NA	Solid	5035	
460-319830-8	16B1_2-3	Total/NA	Solid	5035	
460-319830-9	16B2_3-4	Total/NA	Solid	5035	
460-319830-10	16B3_5-6	Total/NA	Solid	5035	
460-319830-11	16D2_2-3	Total/NA	Solid	5035	
460-319830-12	16D2_7-8	Total/NA	Solid	5035	
460-319830-13	16D1_8-9	Total/NA	Solid	5035	
460-319830-14	16D1_3-4	Total/NA	Solid	5035	
460-319830-15	16D3_4-5	Total/NA	Solid	5035	
460-319830-16	16D3_6-7	Total/NA	Solid	5035	
460-319830-17	16D3_9-10	Total/NA	Solid	5035	
460-319830-18	16E2_6-7	Total/NA	Solid	5035	
460-319830-19	16E1_3-4	Total/NA	Solid	5035	
460-319830-20	16E1_4-5	Total/NA	Solid	5035	
460-319830-21	16E3_3-4	Total/NA	Solid	5035	
460-319830-22	16E2_2-3	Total/NA	Solid	5035	
460-319830-23	16E3_8-9	Total/NA	Solid	5035	
460-319830-24	16E2_9-10	Total/NA	Solid	5035	
460-319830-25	16F3_5-6	Total/NA	Solid	5035	
460-319830-26	16F1_4-5	Total/NA	Solid	5035	
460-319830-27	16F1_6-7	Total/NA	Solid	5035	
460-319830-28	16F2_7-8	Total/NA	Solid	5035	
460-319830-29	16F3_3-4	Total/NA	Solid	5035	
460-319830-30	16F2_2-3	Total/NA	Solid	5035	
460-319830-31	16I1_4-5	Total/NA	Solid	5035	
460-319830-32	16I2_2-3	Total/NA	Solid	5035	
460-319830-33	16I3_8-9	Total/NA	Solid	5035	
460-319830-34	16I1_3-4	Total/NA	Solid	5035	
460-319830-35	16I2_7-8	Total/NA	Solid	5035	
460-319830-36	16I3_1-2	Total/NA	Solid	5035	
460-319830-37	12H3_3-4	Total/NA	Solid	5035	
460-319830-38	12H2_16-17	Total/NA	Solid	5035	
460-319830-39	12H1_12-13	Total/NA	Solid	5035	
460-319830-40	12H3_18-19	Total/NA	Solid	5035	
460-319830-41	12H1_7-8	Total/NA	Solid	5035	
460-319830-42	12H2_2-3	Total/NA	Solid	5035	
460-319830-43	12H1_5-6	Total/NA	Solid	5035	
460-319830-44	12G3_8-9	Total/NA	Solid	5035	
460-319830-45	12G1_2-3	Total/NA	Solid	5035	
460-319830-46	12G2_4-5	Total/NA	Solid	5035	
460-319830-17 MS	16D3_9-10	Total/NA	Solid	5035	
460-319830-17 MSD	16D3_9-10	Total/NA	Solid	5035	

GC/MS VOA

Prep Batch: 1019599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-47	12G1_19-20	Total/NA	Solid	5035	
460-319830-48	12G3_3-4	Total/NA	Solid	5035	
460-319830-49	12G2_15-16	Total/NA	Solid	5035	
460-319830-50	12G3_13-14	Total/NA	Solid	5035	
460-319830-51	12J2_3-4	Total/NA	Solid	5035	
460-319830-52	12J1_6-7	Total/NA	Solid	5035	
460-319830-53	12J2_8-9	Total/NA	Solid	5035	
460-319830-54	12J3_4-5	Total/NA	Solid	5035	
460-319830-55	12J1_2-3	Total/NA	Solid	5035	
460-319830-56	DUP_01	Total/NA	Solid	5035	

Analysis Batch: 1020232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-2	16A1_3-4	Total/NA	Solid	8260D	1019597
460-319830-3	16A3_5-6	Total/NA	Solid	8260D	1019597
460-319830-4	16A3_6-7	Total/NA	Solid	8260D	1019597
460-319830-5	16A2_7-8	Total/NA	Solid	8260D	1019597
MB 460-1020232/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1020232/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1020232/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1020247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-6	16B1_8-9	Total/NA	Solid	8260D	1019597
460-319830-7	16B3_9-10	Total/NA	Solid	8260D	1019597
460-319830-8	16B1_2-3	Total/NA	Solid	8260D	1019597
460-319830-9	16B2_3-4	Total/NA	Solid	8260D	1019597
460-319830-10	16B3_5-6	Total/NA	Solid	8260D	1019597
460-319830-11	16D2_2-3	Total/NA	Solid	8260D	1019597
460-319830-12	16D2_7-8	Total/NA	Solid	8260D	1019597
460-319830-13	16D1_8-9	Total/NA	Solid	8260D	1019597
460-319830-14	16D1_3-4	Total/NA	Solid	8260D	1019597
460-319830-15	16D3_4-5	Total/NA	Solid	8260D	1019597
460-319830-16	16D3_6-7	Total/NA	Solid	8260D	1019597
460-319830-17	16D3_9-10	Total/NA	Solid	8260D	1019597
460-319830-18	16E2_6-7	Total/NA	Solid	8260D	1019597
460-319830-19	16E1_3-4	Total/NA	Solid	8260D	1019597
460-319830-20	16E1_4-5	Total/NA	Solid	8260D	1019597
460-319830-21	16E3_3-4	Total/NA	Solid	8260D	1019597
MB 460-1020247/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1020247/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1020247/4	Lab Control Sample Dup	Total/NA	Solid	8260D	
460-319830-17 MS	16D3_9-10	Total/NA	Solid	8260D	1019597
460-319830-17 MSD	16D3_9-10	Total/NA	Solid	8260D	1019597

Analysis Batch: 1020248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-1	16A2_3-4	Total/NA	Solid	8260D	1019597
460-319830-22	16E2_2-3	Total/NA	Solid	8260D	1019597
460-319830-23	16E3_8-9	Total/NA	Solid	8260D	1019597
460-319830-24	16E2_9-10	Total/NA	Solid	8260D	1019597

GC/MS VOA (Continued)

Analysis Batch: 1020248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-25	16F3_5-6	Total/NA	Solid	8260D	1019597
460-319830-26	16F1_4-5	Total/NA	Solid	8260D	1019597
460-319830-27	16F1_6-7	Total/NA	Solid	8260D	1019597
460-319830-28	16F2_7-8	Total/NA	Solid	8260D	1019597
460-319830-29	16F3_3-4	Total/NA	Solid	8260D	1019597
460-319830-30	16F2_2-3	Total/NA	Solid	8260D	1019597
460-319830-31	16I1_4-5	Total/NA	Solid	8260D	1019597
460-319830-32	16I2_2-3	Total/NA	Solid	8260D	1019597
460-319830-33	16I3_8-9	Total/NA	Solid	8260D	1019597
460-319830-34	16I1_3-4	Total/NA	Solid	8260D	1019597
460-319830-35	16I2_7-8	Total/NA	Solid	8260D	1019597
460-319830-36	16I3_1-2	Total/NA	Solid	8260D	1019597
460-319830-37	12H3_3-4	Total/NA	Solid	8260D	1019597
460-319830-38	12H2_16-17	Total/NA	Solid	8260D	1019597
MB 460-1020248/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1020248/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1020248/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1020328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-39	12H1_12-13	Total/NA	Solid	8260D	1019597
460-319830-40	12H3_18-19	Total/NA	Solid	8260D	1019597
460-319830-41	12H1_7-8	Total/NA	Solid	8260D	1019597
460-319830-42	12H2_2-3	Total/NA	Solid	8260D	1019597
460-319830-43	12H1_5-6	Total/NA	Solid	8260D	1019597
460-319830-44	12G3_8-9	Total/NA	Solid	8260D	1019597
460-319830-45	12G1_2-3	Total/NA	Solid	8260D	1019597
460-319830-46	12G2_4-5	Total/NA	Solid	8260D	1019597
460-319830-47	12G1_19-20	Total/NA	Solid	8260D	1019599
460-319830-48	12G3_3-4	Total/NA	Solid	8260D	1019599
460-319830-49	12G2_15-16	Total/NA	Solid	8260D	1019599
460-319830-50	12G3_13-14	Total/NA	Solid	8260D	1019599
460-319830-51	12J2_3-4	Total/NA	Solid	8260D	1019599
460-319830-52	12J1_6-7	Total/NA	Solid	8260D	1019599
460-319830-53	12J2_8-9	Total/NA	Solid	8260D	1019599
460-319830-54	12J3_4-5	Total/NA	Solid	8260D	1019599
460-319830-55	12J1_2-3	Total/NA	Solid	8260D	1019599
460-319830-56	DUP_01	Total/NA	Solid	8260D	1019599
MB 460-1020328/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1020328/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1020328/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1019779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-1	16A2_3-4	Total/NA	Solid	Moisture	
460-319830-2	16A1_3-4	Total/NA	Solid	Moisture	
460-319830-3	16A3_5-6	Total/NA	Solid	Moisture	
460-319830-4	16A3_6-7	Total/NA	Solid	Moisture	
460-319830-5	16A2_7-8	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1019779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-6	16B1_8-9	Total/NA	Solid	Moisture	
460-319830-7	16B3_9-10	Total/NA	Solid	Moisture	
460-319830-8	16B1_2-3	Total/NA	Solid	Moisture	
460-319830-9	16B2_3-4	Total/NA	Solid	Moisture	
460-319830-10	16B3_5-6	Total/NA	Solid	Moisture	
460-319830-11	16D2_2-3	Total/NA	Solid	Moisture	
460-319830-12	16D2_7-8	Total/NA	Solid	Moisture	
460-319830-13	16D1_8-9	Total/NA	Solid	Moisture	
460-319830-14	16D1_3-4	Total/NA	Solid	Moisture	
460-319830-15	16D3_4-5	Total/NA	Solid	Moisture	
460-319830-16	16D3_6-7	Total/NA	Solid	Moisture	
460-319830-17	16D3_9-10	Total/NA	Solid	Moisture	
460-319830-18	16E2_6-7	Total/NA	Solid	Moisture	
460-319830-19	16E1_3-4	Total/NA	Solid	Moisture	
460-319830-20	16E1_4-5	Total/NA	Solid	Moisture	
460-319830-21	16E3_3-4	Total/NA	Solid	Moisture	
460-319830-22	16E2_2-3	Total/NA	Solid	Moisture	
460-319830-23	16E3_8-9	Total/NA	Solid	Moisture	
460-319830-24	16E2_9-10	Total/NA	Solid	Moisture	
460-319830-25	16F3_5-6	Total/NA	Solid	Moisture	
460-319830-26	16F1_4-5	Total/NA	Solid	Moisture	
460-319830-27	16F1_6-7	Total/NA	Solid	Moisture	
460-319830-28	16F2_7-8	Total/NA	Solid	Moisture	
460-319830-29	16F3_3-4	Total/NA	Solid	Moisture	
460-319830-30	16F2_2-3	Total/NA	Solid	Moisture	
460-319830-31	16I1_4-5	Total/NA	Solid	Moisture	
460-319830-32	16I2_2-3	Total/NA	Solid	Moisture	
460-319830-33	16I3_8-9	Total/NA	Solid	Moisture	
460-319830-34	16I1_3-4	Total/NA	Solid	Moisture	
460-319830-35	16I2_7-8	Total/NA	Solid	Moisture	
460-319830-36	16I3_1-2	Total/NA	Solid	Moisture	
460-319830-37	12H3_3-4	Total/NA	Solid	Moisture	
460-319830-38	12H2_16-17	Total/NA	Solid	Moisture	
460-319830-39	12H1_12-13	Total/NA	Solid	Moisture	
460-319830-40	12H3_18-19	Total/NA	Solid	Moisture	
460-319830-41	12H1_7-8	Total/NA	Solid	Moisture	
460-319830-42	12H2_2-3	Total/NA	Solid	Moisture	
460-319830-43	12H1_5-6	Total/NA	Solid	Moisture	
460-319830-44	12G3_8-9	Total/NA	Solid	Moisture	
460-319830-45	12G1_2-3	Total/NA	Solid	Moisture	
460-319830-46	12G2_4-5	Total/NA	Solid	Moisture	
460-319830-47	12G1_19-20	Total/NA	Solid	Moisture	
460-319830-48	12G3_3-4	Total/NA	Solid	Moisture	
460-319830-49	12G2_15-16	Total/NA	Solid	Moisture	
460-319830-50	12G3_13-14	Total/NA	Solid	Moisture	
460-319830-51	12J2_3-4	Total/NA	Solid	Moisture	
460-319830-52	12J1_6-7	Total/NA	Solid	Moisture	
460-319830-53	12J2_8-9	Total/NA	Solid	Moisture	
460-319830-54	12J3_4-5	Total/NA	Solid	Moisture	
460-319830-55	12J1_2-3	Total/NA	Solid	Moisture	
460-319830-56	DUP_01	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1019779 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319830-17 MS	16D3_9-10	Total/NA	Solid	Moisture	
460-319830-17 MSD	16D3_9-10	Total/NA	Solid	Moisture	
460-319830-17 MSS	16D3_9-10	Total/NA	Solid	Moisture	
460-319684-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-319940-A-2 DU	Duplicate	Total/NA	Solid	Moisture	
460-319940-A-3 DU	Duplicate	Total/NA	Solid	Moisture	
460-319940-A-4 DU	Duplicate	Total/NA	Solid	Moisture	
460-319940-A-5 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16A2_3-4
Date Collected: 02/03/25 09:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16A2_3-4
Date Collected: 02/03/25 09:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-1
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:08
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 10:35

Client Sample ID: 16A1_3-4
Date Collected: 02/03/25 09:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16A1_3-4
Date Collected: 02/03/25 09:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-2
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:08
Total/NA	Analysis	8260D		1	1020232	AAT	EET EDI	02/08/25 00:35

Client Sample ID: 16A3_5-6
Date Collected: 02/03/25 09:52
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16A3_5-6
Date Collected: 02/03/25 09:52
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-3
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:08
Total/NA	Analysis	8260D		1	1020232	AAT	EET EDI	02/08/25 01:00

Client Sample ID: 16A3_6-7
Date Collected: 02/03/25 09:43
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16A3_6-7

Lab Sample ID: 460-319830-4
Date Collected: 02/03/25 09:43
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:09
Total/NA	Analysis	8260D		1	1020232	AAT	EET EDI	02/08/25 01:25

Client Sample ID: 16A2_7-8

Lab Sample ID: 460-319830-5
Date Collected: 02/03/25 09:48
Matrix: Solid
Date Received: 02/04/25 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16A2_7-8

Lab Sample ID: 460-319830-5
Date Collected: 02/03/25 09:48
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:09
Total/NA	Analysis	8260D		1	1020232	AAT	EET EDI	02/08/25 01:50

Client Sample ID: 16B1_8-9

Lab Sample ID: 460-319830-6
Date Collected: 02/03/25 10:05
Matrix: Solid
Date Received: 02/04/25 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16B1_8-9

Lab Sample ID: 460-319830-6
Date Collected: 02/03/25 10:05
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:09
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 10:23

Client Sample ID: 16B3_9-10

Lab Sample ID: 460-319830-7
Date Collected: 02/03/25 09:59
Matrix: Solid
Date Received: 02/04/25 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16B3_9-10
Date Collected: 02/03/25 09:59
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-7
Matrix: Solid
Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:10
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 10:46

Client Sample ID: 16B1_2-3
Date Collected: 02/03/25 09:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16B1_2-3
Date Collected: 02/03/25 09:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-8
Matrix: Solid
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:10
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 11:10

Client Sample ID: 16B2_3-4
Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16B2_3-4
Date Collected: 02/03/25 09:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-9
Matrix: Solid
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:10
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 11:33

Client Sample ID: 16B3_5-6
Date Collected: 02/03/25 09:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16B3_5-6
Date Collected: 02/03/25 09:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-10
Matrix: Solid
Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:11
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 11:56

Client Sample ID: 16D2_2-3
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16D2_2-3
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-11
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:11
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 12:19

Client Sample ID: 16D2_7-8
Date Collected: 02/03/25 15:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16D2_7-8
Date Collected: 02/03/25 15:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-12
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:11
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 12:42

Client Sample ID: 16D1_8-9
Date Collected: 02/03/25 15:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16D1_8-9
Date Collected: 02/03/25 15:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-13
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:12
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 13:05

Client Sample ID: 16D1_3-4
Date Collected: 02/03/25 15:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16D1_3-4
Date Collected: 02/03/25 15:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-14
Matrix: Solid
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:12
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 13:28

Client Sample ID: 16D3_4-5
Date Collected: 02/03/25 15:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:28

Client Sample ID: 16D3_4-5
Date Collected: 02/03/25 15:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-15
Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:12
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 13:51

Client Sample ID: 16D3_6-7
Date Collected: 02/03/25 15:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16D3_6-7
Date Collected: 02/03/25 15:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-16
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:13
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 14:14

Client Sample ID: 16D3_9-10
Date Collected: 02/03/25 15:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 21:26

Client Sample ID: 16D3_9-10
Date Collected: 02/03/25 15:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-17
Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:13
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 08:05

Client Sample ID: 16E2_6-7
Date Collected: 02/03/25 14:51
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16E2_6-7
Date Collected: 02/03/25 14:51
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-18
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:14
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 14:37

Client Sample ID: 16E1_3-4
Date Collected: 02/03/25 14:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16E1_3-4
Date Collected: 02/03/25 14:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-19
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:14
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 15:00

Client Sample ID: 16E1_4-5
Date Collected: 02/03/25 14:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16E1_4-5
Date Collected: 02/03/25 14:48
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-20
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:15
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 15:23

Client Sample ID: 16E3_3-4
Date Collected: 02/03/25 14:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16E3_3-4
Date Collected: 02/03/25 14:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-21
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:15
Total/NA	Analysis	8260D		1	1020247	AAT	EET EDI	02/08/25 15:46

Client Sample ID: 16E2_2-3
Date Collected: 02/03/25 14:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16E2_2-3
Date Collected: 02/03/25 14:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-22
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:15
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 11:50

Client Sample ID: 16E3_8-9
Date Collected: 02/03/25 14:54
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16E3_8-9
Date Collected: 02/03/25 14:54
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-23
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:16
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 12:15

Client Sample ID: 16E2_9-10
Date Collected: 02/03/25 15:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16E2_9-10
Date Collected: 02/03/25 15:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-24
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:16
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 12:40

Client Sample ID: 16F3_5-6
Date Collected: 02/03/25 14:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16F3_5-6
Date Collected: 02/03/25 14:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-25
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:16
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 13:05

Client Sample ID: 16F1_4-5
Date Collected: 02/03/25 14:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16F1_4-5
Date Collected: 02/03/25 14:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-26
Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:17
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 13:30

Client Sample ID: 16F1_6-7
Date Collected: 02/03/25 14:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16F1_6-7
Date Collected: 02/03/25 14:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-27
Matrix: Solid
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:17
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 13:55

Client Sample ID: 16F2_7-8
Date Collected: 02/03/25 14:21
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16F2_7-8
Date Collected: 02/03/25 14:21
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-28
Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:17
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 14:20

Client Sample ID: 16F3_3-4
Date Collected: 02/03/25 14:12
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16F3_3-4
Date Collected: 02/03/25 14:12
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-29
Matrix: Solid
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:18
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 14:45

Client Sample ID: 16F2_2-3
Date Collected: 02/03/25 14:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16F2_2-3
Date Collected: 02/03/25 14:08
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-30
Matrix: Solid
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:18
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 15:09

Client Sample ID: 16I1_4-5
Date Collected: 02/03/25 10:58
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16I1_4-5
Date Collected: 02/03/25 10:58
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-31
Matrix: Solid
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:18
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 15:34

Client Sample ID: 16I2_2-3
Date Collected: 02/03/25 10:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16I2_2-3
Date Collected: 02/03/25 10:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-32
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:19
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 15:59

Client Sample ID: 16I3_8-9
Date Collected: 02/03/25 11:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16I3_8-9
Date Collected: 02/03/25 11:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-33
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:19
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 16:24

Client Sample ID: 16I1_3-4
Date Collected: 02/03/25 10:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 16I1_3-4
Date Collected: 02/03/25 10:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-34
Matrix: Solid
Percent Solids: 98.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:19
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 16:49

Client Sample ID: 16I2_7-8
Date Collected: 02/03/25 11:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:36

Client Sample ID: 16I2_7-8
Date Collected: 02/03/25 11:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-35
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:20
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 17:13

Client Sample ID: 16I3_1-2
Date Collected: 02/03/25 10:53
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 16I3_1-2
Date Collected: 02/03/25 10:53
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-36
Matrix: Solid
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:20
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 17:38

Client Sample ID: 12H3_3-4
Date Collected: 02/03/25 12:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H3_3-4
Date Collected: 02/03/25 12:24
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-37
Matrix: Solid
Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:20
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 18:03

Client Sample ID: 12H2_16-17
Date Collected: 02/03/25 12:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12H2_16-17
Date Collected: 02/03/25 12:40
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-38
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:21
Total/NA	Analysis	8260D		1	1020248	AAT	EET EDI	02/08/25 18:28

Client Sample ID: 12H1_12-13
Date Collected: 02/03/25 12:32
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12H1_12-13
Date Collected: 02/03/25 12:32
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-39
Matrix: Solid
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:21
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 21:48

Client Sample ID: 12H3_18-19
Date Collected: 02/03/25 12:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H3_18-19
Date Collected: 02/03/25 12:36
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-40
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:21
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 22:13

Client Sample ID: 12H1_7-8
Date Collected: 02/03/25 12:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12H1_7-8
Date Collected: 02/03/25 12:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-41
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:22
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 22:39

Client Sample ID: 12H2_2-3
Date Collected: 02/03/25 12:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12H2_2-3
Date Collected: 02/03/25 12:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-42
Matrix: Solid
Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:22
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 23:04

Client Sample ID: 12H1_5-6
Date Collected: 02/03/25 12:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12H1_5-6
Date Collected: 02/03/25 12:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-43
Matrix: Solid
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:22
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 23:29

Client Sample ID: 12G3_8-9
Date Collected: 02/03/25 13:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12G3_8-9
Date Collected: 02/03/25 13:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-44
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:23
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/08/25 23:53

Client Sample ID: 12G1_2-3
Date Collected: 02/03/25 15:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12G1_2-3
Date Collected: 02/03/25 15:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-45
Matrix: Solid
Percent Solids: 98.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:23
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 00:18

Client Sample ID: 12G2_4-5
Date Collected: 02/03/25 13:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G2_4-5
Date Collected: 02/03/25 13:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-46
Matrix: Solid
Percent Solids: 98.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019597	YXG	EET EDI	02/04/25 21:23
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 00:43

Client Sample ID: 12G1_19-20
Date Collected: 02/03/25 13:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12G1_19-20
Date Collected: 02/03/25 13:42
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-47
Matrix: Solid
Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:02
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 01:08

Client Sample ID: 12G3_3-4
Date Collected: 02/03/25 13:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12G3_3-4
Date Collected: 02/03/25 13:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-48
Matrix: Solid
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:02
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 01:33

Client Sample ID: 12G2_15-16
Date Collected: 02/03/25 13:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12G2_15-16
Date Collected: 02/03/25 13:38
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-49
Matrix: Solid
Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:02
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 01:58

Client Sample ID: 12G3_13-14
Date Collected: 02/03/25 13:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12G3_13-14
Date Collected: 02/03/25 13:33
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-50
Matrix: Solid
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:03
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 02:23

Client Sample ID: 12J2_3-4
Date Collected: 02/03/25 10:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12J2_3-4
Date Collected: 02/03/25 10:18
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-51
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:03
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 02:48

Client Sample ID: 12J1_6-7
Date Collected: 02/03/25 10:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12J1_6-7
Date Collected: 02/03/25 10:28
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-52
Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:04
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 03:13

Client Sample ID: 12J2_8-9
Date Collected: 02/03/25 10:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12J2_8-9
Date Collected: 02/03/25 10:35
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-53
Matrix: Solid
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:04
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 03:38

Client Sample ID: 12J3_4-5
Date Collected: 02/03/25 10:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:37

Client Sample ID: 12J3_4-5
Date Collected: 02/03/25 10:22
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-54
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:04
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 04:03

Client Sample ID: 12J1_2-3
Date Collected: 02/03/25 10:15
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319830-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:38

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Client Sample ID: 12J1_2-3

Lab Sample ID: 460-319830-55
Date Collected: 02/03/25 10:15
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:05
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 04:28

Client Sample ID: DUP_01

Lab Sample ID: 460-319830-56
Date Collected: 02/03/25 11:35
Matrix: Solid
Date Received: 02/04/25 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1019779	CJC	EET EDI	02/05/25 20:38

Client Sample ID: DUP_01

Lab Sample ID: 460-319830-56
Date Collected: 02/03/25 11:35
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1019599	YXG	EET EDI	02/04/25 22:05
Total/NA	Analysis	8260D		1	1020328	VBP	EET EDI	02/09/25 04:53

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319830-1	16A2_3-4	Solid	02/03/25 09:40	02/04/25 17:30
460-319830-2	16A1_3-4	Solid	02/03/25 09:35	02/04/25 17:30
460-319830-3	16A3_5-6	Solid	02/03/25 09:52	02/04/25 17:30
460-319830-4	16A3_6-7	Solid	02/03/25 09:43	02/04/25 17:30
460-319830-5	16A2_7-8	Solid	02/03/25 09:48	02/04/25 17:30
460-319830-6	16B1_8-9	Solid	02/03/25 10:05	02/04/25 17:30
460-319830-7	16B3_9-10	Solid	02/03/25 09:59	02/04/25 17:30
460-319830-8	16B1_2-3	Solid	02/03/25 09:08	02/04/25 17:30
460-319830-9	16B2_3-4	Solid	02/03/25 09:48	02/04/25 17:30
460-319830-10	16B3_5-6	Solid	02/03/25 09:55	02/04/25 17:30
460-319830-11	16D2_2-3	Solid	02/03/25 15:20	02/04/25 17:30
460-319830-12	16D2_7-8	Solid	02/03/25 15:36	02/04/25 17:30
460-319830-13	16D1_8-9	Solid	02/03/25 15:40	02/04/25 17:30
460-319830-14	16D1_3-4	Solid	02/03/25 15:24	02/04/25 17:30
460-319830-15	16D3_4-5	Solid	02/03/25 15:30	02/04/25 17:30
460-319830-16	16D3_6-7	Solid	02/03/25 15:33	02/04/25 17:30
460-319830-17	16D3_9-10	Solid	02/03/25 15:45	02/04/25 17:30
460-319830-18	16E2_6-7	Solid	02/03/25 14:51	02/04/25 17:30
460-319830-19	16E1_3-4	Solid	02/03/25 14:38	02/04/25 17:30
460-319830-20	16E1_4-5	Solid	02/03/25 14:48	02/04/25 17:30
460-319830-21	16E3_3-4	Solid	02/03/25 14:45	02/04/25 17:30
460-319830-22	16E2_2-3	Solid	02/03/25 14:42	02/04/25 17:30
460-319830-23	16E3_8-9	Solid	02/03/25 14:54	02/04/25 17:30
460-319830-24	16E2_9-10	Solid	02/03/25 15:00	02/04/25 17:30
460-319830-25	16F3_5-6	Solid	02/03/25 14:15	02/04/25 17:30
460-319830-26	16F1_4-5	Solid	02/03/25 14:05	02/04/25 17:30
460-319830-27	16F1_6-7	Solid	02/03/25 14:18	02/04/25 17:30
460-319830-28	16F2_7-8	Solid	02/03/25 14:21	02/04/25 17:30
460-319830-29	16F3_3-4	Solid	02/03/25 14:12	02/04/25 17:30
460-319830-30	16F2_2-3	Solid	02/03/25 14:08	02/04/25 17:30
460-319830-31	16I1_4-5	Solid	02/03/25 10:58	02/04/25 17:30
460-319830-32	16I2_2-3	Solid	02/03/25 10:50	02/04/25 17:30
460-319830-33	16I3_8-9	Solid	02/03/25 11:28	02/04/25 17:30
460-319830-34	16I1_3-4	Solid	02/03/25 10:45	02/04/25 17:30
460-319830-35	16I2_7-8	Solid	02/03/25 11:05	02/04/25 17:30
460-319830-36	16I3_1-2	Solid	02/03/25 10:53	02/04/25 17:30
460-319830-37	12H3_3-4	Solid	02/03/25 12:24	02/04/25 17:30
460-319830-38	12H2_16-17	Solid	02/03/25 12:40	02/04/25 17:30
460-319830-39	12H1_12-13	Solid	02/03/25 12:32	02/04/25 17:30
460-319830-40	12H3_18-19	Solid	02/03/25 12:36	02/04/25 17:30
460-319830-41	12H1_7-8	Solid	02/03/25 12:25	02/04/25 17:30
460-319830-42	12H2_2-3	Solid	02/03/25 12:20	02/04/25 17:30
460-319830-43	12H1_5-6	Solid	02/03/25 12:28	02/04/25 17:30
460-319830-44	12G3_8-9	Solid	02/03/25 13:28	02/04/25 17:30
460-319830-45	12G1_2-3	Solid	02/03/25 15:15	02/04/25 17:30
460-319830-46	12G2_4-5	Solid	02/03/25 13:18	02/04/25 17:30
460-319830-47	12G1_19-20	Solid	02/03/25 13:42	02/04/25 17:30
460-319830-48	12G3_3-4	Solid	02/03/25 13:22	02/04/25 17:30
460-319830-49	12G2_15-16	Solid	02/03/25 13:38	02/04/25 17:30
460-319830-50	12G3_13-14	Solid	02/03/25 13:33	02/04/25 17:30
460-319830-51	12J2_3-4	Solid	02/03/25 10:18	02/04/25 17:30
460-319830-52	12J1_6-7	Solid	02/03/25 10:28	02/04/25 17:30
460-319830-53	12J2_8-9	Solid	02/03/25 10:35	02/04/25 17:30
460-319830-54	12J3_4-5	Solid	02/03/25 10:22	02/04/25 17:30

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319830-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319830-55	12J1_2-3	Solid	02/03/25 10:15	02/04/25 17:30
460-319830-56	DUP_01	Solid	02/03/25 11:35	02/04/25 17:30

Chain of Custody Record 762095

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Seamus Bell	Site Contact:	Date:	COC No:
Company Name: H&A of NY	Tel/Email.	Lab Contact:	Carrier:	1 of 5 COCs
Address: 213 W 35th Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: seamus.bell@haley-aldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbovard@haley-aldrich.com	☐ 2 weeks			Lab Sampling:
Project Name: Former PoA Mobil	☒ 1 week			
Site: 4101 Arthur Kill Rd	☐ 2 days			Job SDG No.
PO # 0108958 x 001 v	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	319830 Sample Specific Notes:
16A2 3 4	2/5/25	940	G	SO1	4			X	-1
16A1_3 4		935							-2
16A3 5-6		951							-3
16A3_6-7		943							-4 SHORT HOLD
16A2_7-8		948							-5
16B1_8-9		1005							-6
16B3 9-10		959							-7
16B1_2 3		845							-8
16B2 3-4		948							-9
16B3_5-6		955							-10
16D2_2 3		1520							-11
16D2_7-8		1536							-12

460-319830 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd. _____ Corr'd: _____	Therm ID No.: _____
Relinquished by:	Company: H&A	Date/Time: 2/4/25	Received by:	Company:	Date/Time: 2.4.25 1615
Relinquished by:	Company:	Date/Time: 2/4 1730	Received by:	Company: FTA	Date/Time: 2/4 1730
Relinquished by	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

MOCS 16A4 Q1/A5 Q2/04 Q1/05

2/11/2025

Chain of Custody Record 762096

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Shawn Bell	Site Contact:	Date:	COC No:
Company Name: H&A of NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact:	Carrier:	2 of 5 COCs
Address: 213 W 35th Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: scommisso@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbiland@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name: Former P&A Main	☒ 1 week			
Site: 410 Nine Mile Hill Road	☐ 2 days			Job / SDG No.
PO # 0205988-001-001-HA	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
									319830
16D1_8-9	2/3/25	1540	G	Soil	4			X	-13
16D1_3-4		1524							-14
16D3_4-5		1530							-15
16D3_6-7		1533							-16
16D3_9-10		1545					N		-17
16E2_6-7		1451							-18
16E1_3-4		1438							-19
16E1_4-5		1448							-20
16E3_3-4		1445							-21
16E2_2-3		1452							-22
16E3_8-9		1454							-23
16E2_9-10		1500							-24

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C): Obs'd _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: H&A	Date/Time: 2/4/25	Received by:	Company: ECC	Date/Time:
Relinquished by:	Company: ECC	Date/Time: 2/4/25 1730	Received by:	Company: ETA	Date/Time: 2/4 1730
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/11/2025

Chain of Custody Record 762097

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Suzanne Bell	Site Contact:	Date:	COC No:
Company Name: HCA & NY	Tel/Email: sbell@hyleyaldrich.com	Lab Contact:	Carrier:	2 of 5 COCs
Address: 213 W 25 Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: scannuzzo@hyleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbarnard@hyleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name: Former Pfaff Mod. 4	☒ 1 week			
Site: 401 Arthur Kill Road	☐ 2 days			Job / SDG No.
PO # 0208988 001 001 00	☐ day			319830

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC	Sample Specific Notes:
16F3 5-6	2/3/25	1405	G	SO1	4			X	-25
16F1_4-5		1405							-26
16F1_6 7		1418							-27
16F2_7-8		1421							-28
16F3 3 4		1412							-29
16F2_2 3		1408							-30
16I1_4-5		1058							-31
16I2_2 3		1050							-32
16I3_8-9		1128							-33
16I1_3-4		1045							-34
16I2_7 8		1105							-35
16I3_1-2		1053							-36

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No	Cooler Temp. (°C): Obs'd._____ Corr'd._____	Therm ID No._____
Relinquished by:	Company: HCA	Date/Time: 2/4/25	Received by:	Company: CTS	Date/Time: 2/4/25 1600
Relinquished by:	Company: ETS	Date/Time: 2/4/25 1730	Received by:	Company: ETS	Date/Time: 2/4 1730
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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Chain of Custody Record 762098

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Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Seamus Bo	Site Contact:	Date:	COC No:
Company Name: H&A of NY	Tel/Email: sbo@haleyaldrich.com	Lab Contact:	Carrier:	4 of 5 COCs
Address: 213 W 35th Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: scommisso@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbolard@haleyaldrich.com	☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day			Lab Sampling
Project Name: Former Ford Main				Job / SDG No.
Site: 401 Mercer Hill Road				
PO # 0258997-001-001-06				319830

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
12H3_3-4	1/31/25	1124	G	Soil	4			X	-37
12N2 16 17		1240							-38
12H_12 13		123_							-39
12H3_18-19		1230							-40
2H1_7-8		12 5							-41
2H2_2 3		1240							-42
12H_5 6		248							-43
12G3_8-9		1328							-44
126 2 3		1515							-45
2G2 4-5		1318							-46
12G1_19-20		1342							-47
12G3_3-4		1322							-48

Preservation Used. 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd _____ Corr'd. _____	Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	H&A	2/4/25			2/4/25 1730
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	GLT	2/4/25 1230		FTA	2/4 1730
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

2/11/2025

Chain of Custody Record 762099

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Address: _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Suzanne Bell	Site Contact:	Date:	COC No:
Company Name: HRA & NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact:	Carrier:	1 of 1 COCs
Address: 213 W 35 Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: commissr@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbarland@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name: Former Port Mobil	☒ 1 week			
Site: 440 Arthur Kill Road	☐ 2 days			Job / SDG No.
P O #: 0204987-00 OT UV	☐ 1 day			319830

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	Sample Specific Notes:
12GL 15 16	2/3/25	1338	G	S, I	4				-49
12G3_13 14		133							-50
12J2_3-4		058							-51
12J1_6 7		1028							-52
12JL_8-9		1035							-53
12J3_4 5		1022							-54
2J1_2-3		1015							-55
DUP_a		1130							-56

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	HRA	2/4/25		ETC	2-725 1600
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	ETC	2-4-25 1730		ETC	2/4 1730
Relinquished by	Company:	Date/Time:	Received in Laboratory by	Company	Date/Time:

2/11/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 319830

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	0.1 °C	0.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.2 °C	0.4 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	0.1 °C	0.5 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: _____

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319830-1

Login Number: 319830
List Number: 1
Creator: Nelson, Rose E

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

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JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-319886-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
2/14/2025 4:11:28 PM

Authorized for release by
Jill Miller, Senior Project Manager
Jill.Miller@et.eurofinsus.com
Designee for
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-319886-1 Eurofins Edison

Job Narrative
460-319886-1

Revision(1)

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Revision(1)
Client added Total BTEX to the Trip Blank

Receipt
The samples were received on 2/4/2025 5:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.3°C, 0.4°C and 1.3°C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Per laboratory policy, the Trip Blank sample date/time was added to reflect the latest sample date/time of the sampling event.

Method 8260D - Volatile Organic Compounds by GC/MS
Sample TRIP BLANK (460-319886-13) was analyzed for Volatile Organic Compounds by GC/MS. The sample was analyzed on 2/10/2025.

The continuing calibration verification (CCV) associated with batch 460-1020400 recovered above the upper control limit for Bromoform, Dichlorodifluoromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1020400 recovered outside control limits for the following analyte: Chlorodibromomethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 2/5/2025 and analyzed on 2/6/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1019954 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1019811 and analytical batch 460-1019954 recovered outside control limits for the following analytes: Hexachlorocyclopentadiene. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 2/6/2025 and analyzed on 2/7/2025.

Method 8081B - Organochlorine Pesticides (GC)
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 2/6/2025 and analyzed on 2/7/2025.

The continuing calibration verification (CCV) associated with batch 460-1020035 recovered above the upper control limit for 4,4'-DDT, Endrin ketone and Heptachlor on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-1020035/3).

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 2/6/2025 and analyzed on 2/7/2025.

Method 6020B - Metals (ICP/MS)
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Metals (ICP/MS). The samples were prepared on 2/10/2025 and analyzed on 2/11/2025 and 2/13/2025.

Method 7471B - Mercury (CVAA)
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 2/7/2025.

Method Moisture - Percent Moisture
Samples 16D_0-5 (460-319886-1), 16D_5-10 (460-319886-2), 16E_0-5 (460-319886-3), 16E_5-10 (460-319886-4), 16F_0-5 (460-319886-5), 16F_5-10 (460-319886-6), 16G_0-10 (460-319886-7), 16G_10-20 (460-319886-8), 16H_0-10 (460-319886-9), 16H_10-20 (460-319886-10), 16I_0-5 (460-319886-11) and 16I_5-10 (460-319886-12) were analyzed for Percent Moisture. The samples were analyzed on 2/9/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16D_0-5 — Lab Sample ID: 460-319886-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.014	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.098	J	0.28	0.070	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.071	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.077	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.18		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.42		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.24		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.19		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.22		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	4.65		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.079	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.083	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.30	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8300		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.50	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	69.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	2.1		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4280		102	41.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	33.3		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	88.5		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20000		61.2	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	233		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3990		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	199		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	40.4		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	997		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.34	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.22	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	144		102	46.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.090	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.9		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	403		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.024		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16D_5-10 — Lab Sample ID: 460-319886-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.011	J	0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.018	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.011	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.061	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.19		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.10		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.15		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.33		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.15		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.31		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.062	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 16D_5-10 (Continued)

Lab Sample ID: 460-319886-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.059	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.18	J	0.57	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7640		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.58	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.8		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	67.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2370		102	41.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	29.1		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	61.3		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	18600		61.3	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	251		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2340		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	160		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.7		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	967		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.54	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	139		102	46.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.088	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.7		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	232		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.023		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16E_0-5

Lab Sample ID: 460-319886-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.056	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.042	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.11	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.96		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.10	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.57		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.041	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.037	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Aluminum	7960		22.7	6.2	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.50	J	1.1	0.17	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.7		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	41.8		2.3	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	2.0		0.45	0.065	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.28	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	1500		114	46.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	31.2		2.3	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.4		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	44.3		2.3	0.42	mg/Kg	1	☼	6020B	Total/NA
Iron	33200		68.2	23.0	mg/Kg	1	☼	6020B	Total/NA
Lead	72.6		0.68	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1600		114	11.6	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16E_0-5 (Continued)

Lab Sample ID: 460-319886-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	129		4.5	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	22.6		2.3	0.53	mg/Kg	1	☼	6020B	Total/NA
Potassium	659		114	18.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.48	J	1.4	0.15	mg/Kg	1	☼	6020B	Total/NA
Silver	0.17	J	0.45	0.10	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.092	J	0.45	0.047	mg/Kg	1	☼	6020B	Total/NA
Vanadium	53.1		2.3	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	162		9.1	3.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.015	J	0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16E_5-10

Lab Sample ID: 460-319886-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.018	J	0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.010	J	0.39	0.0096	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.048	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.068	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.20		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.77		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.30		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	5.09		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.16		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.49		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.050	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.095	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.25	J	0.58	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	6780		20.6	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.43	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.5		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	56.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3060		103	41.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.3		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	52.0		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	15100		61.7	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	183		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2690		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	495		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	23.4		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	751		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.36	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	78.9	J	103	47.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.087	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	161		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.033		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16F_0-5 — Lab Sample ID: 460-319886-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.069	J	0.28	0.069	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.071	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.096	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.24		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	3.32		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.27		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.21		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.17		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.85		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.060	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.073	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.27	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8410		20.1	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.50	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	79.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.30	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	2120		101	40.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	28.3		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	59.1		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	19500		60.3	20.3	mg/Kg	1	☼	6020B	Total/NA
Lead	175		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2110		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	185		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.7		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	1040		101	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.35	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	155		101	45.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.089	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.8		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	218		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.035		0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16F_5-10 — Lab Sample ID: 460-319886-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.030	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
4,4'-DDE	0.0028	J	0.0074	0.00088	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0084		0.0074	0.0014	mg/Kg	1	☼	8081B	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.036	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.10	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.29		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.15		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.63		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.17		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	4.47		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.058	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.054	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 16F_5-10 (Continued)

Lab Sample ID: 460-319886-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.25	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8620		21.0	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.64	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	76.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.6		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.29	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3690		105	42.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.1		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	73.7		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	20600		63.0	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	213		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3350		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	172		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	34.3		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1060		105	17.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.42	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	176		105	48.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.091	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	247		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.030		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16G_0-10

Lab Sample ID: 460-319886-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.050	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.054	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.81		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.36		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.53		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.14		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.70		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.055	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.076	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.24	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7820		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.55	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	137		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.6		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.52	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3830		104	42.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.6		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	73.0		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20300		62.5	21.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16G_0-10 (Continued)

Lab Sample ID: 460-319886-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	219		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4460		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	1290		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	42.7		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1130		104	16.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.19	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	112		104	47.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.32	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.4		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	242		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.025		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16G_10-20

Lab Sample ID: 460-319886-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.011	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.055		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.069		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.078		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.052	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.032	J	0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.067	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.042	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.042		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.053	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.087	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.073	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.94		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.090	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.85		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	7380		21.2	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.46	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	45.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.58		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1310		106	43.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.4		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.0		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	42.3		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	20600		63.6	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	89.6		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2890		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	218		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	32.3		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1110		106	17.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	72.4	J	106	48.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.087	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16G_10-20 (Continued) — Lab Sample ID: 460-319886-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	24.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	132		8.5	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.021		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16H_0-10 — Lab Sample ID: 460-319886-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.087	J	0.27	0.067	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.062	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.086	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.097	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.33		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.26		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.17		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.19		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.97		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.058	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.046	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.20	J	0.54	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	6340		19.8	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.49	J	0.99	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.9		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	48.7		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.81		0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.36	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	7340		99.1	40.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.1		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	62.7		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	18400		59.4	20.0	mg/Kg	1	☼	6020B	Total/NA
Lead	211		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5770		99.1	10.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	203		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.0		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	815		99.1	16.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.39	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Sodium	99.2		99.1	45.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.080	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.8		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	184		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.025		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16H_10-20 — Lab Sample ID: 460-319886-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.016	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.035	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.065	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.17		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.093	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16H_10-20 (Continued)

Lab Sample ID: 460-319886-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	2.83		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.074	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.77		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.53		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.16	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.050	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	4230		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.26	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.8		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	24.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.84		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.17	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4610		102	41.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.9		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	35.6		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	14100		61.2	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	104		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3630		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	117		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.3		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	811		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.24	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	53.2	J	102	46.6	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.6		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	107		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.011	J	0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16I_0-5

Lab Sample ID: 460-319886-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.013	J	0.35	0.011	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.015	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.14	J	0.27	0.067	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.091	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.11	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.15		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.71		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.50		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.41		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.22		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.32		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.056	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.076	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.21	J	0.53	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	4890		19.3	5.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.78	J	0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.9		0.97	0.099	mg/Kg	1	☼	6020B	Total/NA
Barium	26.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.93		0.39	0.055	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16I_0-5 (Continued)

Lab Sample ID: 460-319886-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.20	J	0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	553		96.6	39.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.6		1.9	0.88	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	54.6		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	21700		57.9	19.5	mg/Kg	1	☼	6020B	Total/NA
Lead	106		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1200		96.6	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	119		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.5		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Potassium	629		96.6	15.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.47	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.24	J	0.39	0.086	mg/Kg	1	☼	6020B	Total/NA
Sodium	45.2	J	96.6	44.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.043	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.7		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	133		7.7	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.033		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 16I_5-10

Lab Sample ID: 460-319886-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.042	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.042	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.044	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.15		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.29		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.28		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.54		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.069	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.18	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	4520		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.58	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.5		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	28.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.19	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4270		104	42.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.2		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	49.0		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	14800		62.5	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	95.9		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3300		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	147		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.8		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	624		104	16.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.29	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.22	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.059	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 16I_5-10 (Continued) — Lab Sample ID: 460-319886-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	17.1		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	153		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.030		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 460-319886-13

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
1,2-Diphenylhydrazine	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4-Dimethylphenol	0.36	U	0.36	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
3-Nitroaniline	0.36	U	0.36	0.087	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzidine	0.36	U	0.36	0.077	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzo[a]anthracene	0.036	U	0.036	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Di-n-butyl phthalate	**0.014**	**J**	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Pyrene	0.36	U	0.36	0.0091	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1
Pyridine	0.36	U	0.36	0.052	mg/Kg	☼	02/05/25 20:02	02/06/25 18:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 18:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*02/05/25 20:02*	*02/06/25 18:29*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*02/05/25 20:02*	*02/06/25 18:29*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*02/05/25 20:02*	*02/06/25 18:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*02/05/25 20:02*	*02/06/25 18:29*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*02/05/25 20:02*	*02/06/25 18:29*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*02/05/25 20:02*	*02/06/25 18:29*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1
trans-Chlordane	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 03:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:19*	*1*
DCB Decachlorobiphenyl	*39*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:19*	*1*
Tetrachloro-m-xylene	*44*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:19*	*1*
Tetrachloro-m-xylene	*39*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:19*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:16*	*1*
DCB Decachlorobiphenyl	*62*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:16*	*1*
Tetrachloro-m-xylene	*57*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:16*	*1*
Tetrachloro-m-xylene	*57*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:16*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoropentanoic acid (PFPeA)	**0.098**	**J**	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorohexanoic acid (PFHxA)	**0.071**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoroheptanoic acid (PFHpA)	**0.077**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorooctanoic acid (PFOA)	**0.18**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorononanoic acid (PFNA)	**1.42**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorodecanoic acid (PFDA)	**0.24**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoroundecanoic acid (PFUnA)	**6.19**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorododecanoic acid (PFDoA)	**0.22**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorotridecanoic acid (PFTrDA)	**4.65**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorotetradecanoic acid (PFTeDA)	**0.079**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorooctanesulfonic acid (PFOS)	**0.083**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.30**	**J**	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 13:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:10*	*1*

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	95.2		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C5 PFHxA	92.9		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C4 PFHpA	101		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C8 PFOA	90.0		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C9 PFNA	94.6		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C6 PFDA	97.2		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C7 PFUnA	88.2		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C2 PFTeDA	70.7		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C3 PFBS	84.2		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C3 PFHxS	85.2		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C8 PFOS	92.3		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C8 FOSA	95.1		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d3-NMeFOSAA	95.9		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d5-NEtFOSAA	105		20 - 150	02/06/25 13:09	02/07/25 13:10	1
M2-4:2 FTS	90.5		20 - 150	02/06/25 13:09	02/07/25 13:10	1
M2-6:2 FTS	94.0		20 - 150	02/06/25 13:09	02/07/25 13:10	1
M2-8:2 FTS	88.1		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C3 HFPO-DA	94.5		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d7-N-MeFOSE-M	72.0		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d9-N-EtFOSE-M	63.3		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d5-NEtPFOSA	77.8		20 - 150	02/06/25 13:09	02/07/25 13:10	1
d3-NMePFOSA	86.5		20 - 150	02/06/25 13:09	02/07/25 13:10	1
13C2-PFDoDA	78.5		20 - 150	02/06/25 13:09	02/07/25 13:10	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300		20.4	5.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Antimony	0.50	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Arsenic	6.7		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Barium	69.9		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Beryllium	2.1		0.41	0.058	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Cadmium	0.33	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Calcium	4280		102	41.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Chromium	33.3		2.0	0.93	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Cobalt	9.3		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Copper	88.5		2.0	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Iron	20000		61.2	20.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Lead	233		0.61	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Magnesium	3990		102	10.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Manganese	199		4.1	0.41	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Nickel	40.4		2.0	0.48	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Potassium	997		102	16.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Selenium	0.34	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Silver	0.22	J	0.41	0.091	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Sodium	144		102	46.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Thallium	0.090	J	0.41	0.042	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Vanadium	21.9		2.0	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1
Zinc	403		8.2	3.1	mg/Kg	☼	02/10/25 06:14	02/11/25 13:41	1

Client Sample ID: 16D_0-5

Lab Sample ID: 460-319886-1
Date Collected: 02/03/25 16:00
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 89.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0089	mg/Kg	☼	02/07/25 01:21	02/07/25 05:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16D_5-10

Lab Sample ID: 460-319886-2
Date Collected: 02/03/25 16:05
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
1,2-Diphenylhydrazine	0.38	U	0.38	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Chloronaphthalene	0.38	U	0.38	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Nitroaniline	0.38	U	0.38	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzidine	0.38	U	0.38	0.080	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1

Client Sample ID: 16D_5-10
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzo[b]fluoranthene	**0.011**	**J**	0.038	0.0099	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Chrysene	**0.018**	**J**	0.38	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Hexachlorocyclopentadiene	0.38	U *	0.38	0.033	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Pyrene	**0.011**	**J**	0.38	0.0095	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1
Pyridine	0.38	U	0.38	0.054	mg/Kg	☼	02/05/25 20:02	02/06/25 18:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Dodecane, 2,6,11-trimethyl-	*0.35*	*J N*	*mg/Kg*	☼	*8.27*	*31295-56-4*	*02/05/25 20:02*	*02/06/25 18:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*02/05/25 20:02*	*02/06/25 18:50*	*1*
2-Fluorobiphenyl	*82*		*38 - 128*	*02/05/25 20:02*	*02/06/25 18:50*	*1*
2-Fluorophenol (Surr)	*78*		*31 - 133*	*02/05/25 20:02*	*02/06/25 18:50*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*02/05/25 20:02*	*02/06/25 18:50*	*1*
Phenol-d5 (Surr)	*77*		*35 - 132*	*02/05/25 20:02*	*02/06/25 18:50*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*02/05/25 20:02*	*02/06/25 18:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1

Client Sample ID: 16D_5-10

Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2

Matrix: Solid
Percent Solids: 86.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1
trans-Chlordane	0.0077	U	0.0077	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:32*	*1*
DCB Decachlorobiphenyl	*33*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:32*	*1*
Tetrachloro-m-xylene	*58*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:32*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:32*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:33*	*1*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:33*	*1*
Tetrachloro-m-xylene	*75*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:33*	*1*
Tetrachloro-m-xylene	*73*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:33*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1

Client Sample ID: 16D_5-10
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoroheptanoic acid (PFHpA)	**0.061**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorooctanoic acid (PFOA)	**0.19**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorononanoic acid (PFNA)	**2.10**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorodecanoic acid (PFDA)	**0.15**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoroundecanoic acid (PFUnA)	**3.33**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorododecanoic acid (PFDoA)	**0.15**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorotridecanoic acid (PFTrDA)	**3.31**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorotetradecanoic acid (PFTeDA)	**0.062**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorooctanesulfonic acid (PFOS)	**0.059**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.18**	**J**	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1

Client Sample ID: 16D_5-10
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 13:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C5 PFPeA	*79.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C5 PFHxA	*74.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C4 PFHpA	*81.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C8 PFOA	*73.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C9 PFNA	*75.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C6 PFDA	*82.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C7 PFUnA	*81.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C2 PFTeDA	*66.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C3 PFBS	*74.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C3 PFHxS	*72.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C8 PFOS	*82.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C8 FOSA	*79.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d3-NMeFOSAA	*83.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d5-NEtFOSAA	*87.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
M2-4:2 FTS	*79.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
M2-6:2 FTS	*87.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
M2-8:2 FTS	*80.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C3 HFPO-DA	*75.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d7-N-MeFOSE-M	*65.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d9-N-EtFOSE-M	*60.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d5-NEtPFOSA	*66.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
d3-NMePFOSA	*70.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*
13C2-PFDoDA	*71.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:26*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7640**		20.4	5.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Antimony	**0.58**	**J**	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Arsenic	**5.8**		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Barium	**67.9**		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Beryllium	**1.2**		0.41	0.058	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Cadmium	**0.33**	**J**	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Calcium	**2370**		102	41.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Chromium	**29.1**		2.0	0.93	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Cobalt	**7.8**		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Copper	**61.3**		2.0	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Iron	**18600**		61.3	20.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Lead	**251**		0.61	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1

Client Sample ID: 16D_5-10

Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2

Matrix: Solid
Percent Solids: 86.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2340		102	10.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Manganese	160		4.1	0.41	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Nickel	25.7		2.0	0.48	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Potassium	967		102	16.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Selenium	0.54	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Silver	0.23	J	0.41	0.091	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Sodium	139		102	46.7	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Thallium	0.088	J	0.41	0.042	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Vanadium	22.7		2.0	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1
Zinc	232		8.2	3.1	mg/Kg	☼	02/10/25 06:14	02/11/25 13:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0085	mg/Kg	☼	02/07/25 01:21	02/07/25 06:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.3		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	86.7		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16E_0-5

Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3

Matrix: Solid
Percent Solids: 83.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
1,2-Diphenylhydrazine	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.051	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4-Dimethylphenol	0.39	U	0.39	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4-Dinitrophenol	0.32	U	0.32	0.19	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,4-Dinitrotoluene	0.080	U	0.080	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2,6-Dinitrotoluene	0.080	U	0.080	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
3-Nitroaniline	0.39	U	0.39	0.093	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1

Client Sample ID: 16E_0-5
Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3
Matrix: Solid
Percent Solids: 83.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.39	U	0.39	0.070	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Methylphenol	0.39	U	0.39	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Nitroaniline	0.39	U	0.39	0.045	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
4-Nitrophenol	0.80	U	0.80	0.064	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzaldehyde	0.39	U	0.39	0.065	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzidine	0.39	U	0.39	0.083	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzo[a]anthracene	0.039	U	0.039	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0077	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Chrysene	0.39	U	0.39	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Fluorene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Hexachlorobutadiene	0.080	U	0.080	0.0084	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Hexachlorocyclopentadiene	0.39	U *	0.39	0.035	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Hexachloroethane	0.039	U	0.039	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Naphthalene	0.39	U	0.39	0.0068	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Pentachlorophenol	0.32	U	0.32	0.081	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Phenanthrene	0.39	U	0.39	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Pyrene	0.39	U	0.39	0.0098	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1
Pyridine	0.39	U	0.39	0.056	mg/Kg	☼	02/05/25 20:02	02/06/25 19:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.39*	*J*	*mg/Kg*	☼	*8.27*	*N/A*	*02/05/25 20:02*	*02/06/25 19:12*	*1*

Client Sample ID: 16E_0-5
Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3
Matrix: Solid
Percent Solids: 83.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*02/05/25 20:02*	*02/06/25 19:12*	*1*
2-Fluorobiphenyl	*89*		*38 - 128*	*02/05/25 20:02*	*02/06/25 19:12*	*1*
2-Fluorophenol (Surr)	*86*		*31 - 133*	*02/05/25 20:02*	*02/06/25 19:12*	*1*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*02/05/25 20:02*	*02/06/25 19:12*	*1*
Phenol-d5 (Surr)	*83*		*35 - 132*	*02/05/25 20:02*	*02/06/25 19:12*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*02/05/25 20:02*	*02/06/25 19:12*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0080	U	0.0080	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
4,4'-DDE	0.0080	U	0.0080	0.00094	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
4,4'-DDT	0.0080	U	0.0080	0.0015	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Aldrin	0.0080	U	0.0080	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
alpha-BHC	0.0024	U	0.0024	0.00081	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
beta-BHC	0.0024	U	0.0024	0.00089	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Chlordane (technical)	0.080	U	0.080	0.019	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
cis-Chlordane	0.0080	U	0.0080	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endosulfan I	0.0080	U	0.0080	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endosulfan II	0.0080	U	0.0080	0.0021	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endosulfan sulfate	0.0080	U	0.0080	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endrin	0.0080	U	0.0080	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endrin aldehyde	0.0080	U	0.0080	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Endrin ketone	0.0080	U	0.0080	0.0016	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00074	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Heptachlor	0.0080	U	0.0080	0.00094	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Heptachlor epoxide	0.0080	U	0.0080	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Methoxychlor	0.0080	U	0.0080	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
Toxaphene	0.080	U	0.080	0.029	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1
trans-Chlordane	0.0080	U	0.0080	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:44*	*1*
DCB Decachlorobiphenyl	*40*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:44*	*1*
Tetrachloro-m-xylene	*43*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:44*	*1*
Tetrachloro-m-xylene	*38*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1221	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1232	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1242	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1248	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1254	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1260	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor 1268	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Aroclor-1262	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1
Polychlorinated biphenyls, Total	0.080	U	0.080	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 10:49	1

Client Sample ID: 16E_0-5

Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3

Matrix: Solid
Percent Solids: 83.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*64*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:49*	*1*
DCB Decachlorobiphenyl	*65*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:49*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:49*	*1*
Tetrachloro-m-xylene	*60*		*20 - 150*	*02/06/25 15:33*	*02/07/25 10:49*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.073	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorohexanoic acid (PFHxA)	**0.056**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoroheptanoic acid (PFHpA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorooctanoic acid (PFOA)	**0.042**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorononanoic acid (PFNA)	**0.13**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorodecanoic acid (PFDA)	**0.11**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoroundecanoic acid (PFUnA)	**1.96**		0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorododecanoic acid (PFDoA)	**0.10**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorotridecanoic acid (PFTrDA)	**1.57**		0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorotetradecanoic acid (PFTeDA)	**0.041**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorooctanesulfonic acid (PFOS)	**0.037**	**J**	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.46	U	1.46	0.37	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.46	U	1.46	0.37	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1

Client Sample ID: 16E_0-5
Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3
Matrix: Solid
Percent Solids: 83.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.073	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.073	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.59	U	0.59	0.15	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.073	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.73	U	0.73	0.18	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.66	U	3.66	0.91	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.66	U	3.66	0.91	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.037	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.073	ug/Kg	☼	02/06/25 13:09	02/07/25 13:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C5 PFPeA	*98.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C5 PFHxA	*86.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C4 PFHpA	*95.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C8 PFOA	*80.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C9 PFNA	*85.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C6 PFDA	*89.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C7 PFUnA	*80.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C2 PFTeDA	*70.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C3 PFBS	*81.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C3 PFHxS	*83.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C8 PFOS	*89.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C8 FOSA	*87.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d3-NMeFOSAA	*86.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d5-NEtFOSAA	*92.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
M2-4:2 FTS	*91.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
M2-6:2 FTS	*91.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
M2-8:2 FTS	*82.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C3 HFPO-DA	*85.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d7-N-MeFOSE-M	*63.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d9-N-EtFOSE-M	*57.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d5-NEtPFOSA	*69.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
d3-NMePFOSA	*72.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*
13C2-PFDoDA	*75.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 13:43*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7960**		22.7	6.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Antimony	**0.50**	**J**	1.1	0.17	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Arsenic	**8.7**		1.1	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1

Client Sample ID: 16E_0-5

Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3

Matrix: Solid
Percent Solids: 83.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	41.8		2.3	0.16	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Beryllium	2.0		0.45	0.065	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Cadmium	0.28	J	1.1	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Calcium	1500		114	46.3	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Chromium	31.2		2.3	1.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Cobalt	9.4		2.3	0.17	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Copper	44.3		2.3	0.42	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Iron	33200		68.2	23.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Lead	72.6		0.68	0.23	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Magnesium	1600		114	11.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Manganese	129		4.5	0.46	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Nickel	22.6		2.3	0.53	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Potassium	659		114	18.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Selenium	0.48	J	1.4	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Silver	0.17	J	0.45	0.10	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Sodium	114	U	114	52.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Thallium	0.092	J	0.45	0.047	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Vanadium	53.1		2.3	0.23	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1
Zinc	162		9.1	3.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.018	0.0086	mg/Kg	☼	02/07/25 01:21	02/07/25 06:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.2		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	83.8		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16E_5-10

Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4

Matrix: Solid
Percent Solids: 85.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
1,2-Diphenylhydrazine	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4-Dimethylphenol	0.39	U	0.39	0.046	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,4-Dinitrotoluene	0.078	U	0.078	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2-Chloronaphthalene	0.39	U	0.39	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1

Client Sample ID: 16E_5-10
Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4
Matrix: Solid
Percent Solids: 85.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2-Nitroaniline	0.39	U	0.39	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
3-Nitroaniline	0.39	U	0.39	0.092	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Nitroaniline	0.39	U	0.39	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzidine	0.39	U	0.39	0.081	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzo[a]anthracene	0.039	U	0.039	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0076	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Chrysene	0.39	U	0.39	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Diethyl phthalate	0.39	U	0.39	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Di-n-octyl phthalate	0.39	U	0.39	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Fluoranthene	0.39	U	0.39	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Hexachlorocyclopentadiene	0.39	U *	0.39	0.034	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Nitrobenzene	0.039	U	0.039	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1

Client Sample ID: 16E_5-10

Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4

Matrix: Solid
Percent Solids: 85.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Phenanthrene	**0.018**	**J**	0.39	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Pyrene	**0.010**	**J**	0.39	0.0096	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1
Pyridine	0.39	U	0.39	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 19:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 19:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*02/05/25 20:02*	*02/06/25 19:34*	*1*
2-Fluorobiphenyl	*87*		*38 - 128*	*02/05/25 20:02*	*02/06/25 19:34*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*02/05/25 20:02*	*02/06/25 19:34*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*02/05/25 20:02*	*02/06/25 19:34*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*02/05/25 20:02*	*02/06/25 19:34*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*02/05/25 20:02*	*02/06/25 19:34*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
4,4'-DDE	0.0078	U	0.0078	0.00092	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
cis-Chlordane	0.0078	U	0.0078	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1
trans-Chlordane	0.0078	U	0.0078	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 03:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:56*	*1*
DCB Decachlorobiphenyl	*68*		*17 - 150*	*02/06/25 15:55*	*02/07/25 03:56*	*1*
Tetrachloro-m-xylene	*68*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:56*	*1*
Tetrachloro-m-xylene	*65*		*21 - 150*	*02/06/25 15:55*	*02/07/25 03:56*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16E_5-10
Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4
Matrix: Solid
Percent Solids: 85.4

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1221	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1232	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1242	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1248	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1254	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1260	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor 1268	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Aroclor-1262	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.021	mg/Kg	☼	02/06/25 15:33	02/07/25 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:06*	*1*
DCB Decachlorobiphenyl	*96*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:06*	*1*
Tetrachloro-m-xylene	*91*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:06*	*1*
Tetrachloro-m-xylene	*91*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:06*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorohexanoic acid (PFHxA)	**0.048**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoroheptanoic acid (PFHpA)	**0.068**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorooctanoic acid (PFOA)	**0.20**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorononanoic acid (PFNA)	**1.77**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorodecanoic acid (PFDA)	**0.30**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoroundecanoic acid (PFUnA)	**5.09**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorododecanoic acid (PFDoA)	**0.16**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorotridecanoic acid (PFTrDA)	**3.49**		0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorotetradecanoic acid (PFTeDA)	**0.050**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorooctanesulfonic acid (PFOS)	**0.095**	**J**	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.25**	**J**	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1

Client Sample ID: 16E_5-10
Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4
Matrix: Solid
Percent Solids: 85.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.62	U	3.62	0.91	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.62	U	3.62	0.91	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	02/06/25 13:09	02/07/25 14:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*72.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C5 PFPeA	*75.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C5 PFHxA	*70.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C4 PFHpA	*75.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C8 PFOA	*68.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C9 PFNA	*70.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C6 PFDA	*74.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C7 PFUnA	*71.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C2 PFTeDA	*64.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C3 PFBS	*66.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C3 PFHxS	*68.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C8 PFOS	*76.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
13C8 FOSA	*74.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
d3-NMeFOSAA	*75.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
d5-NEtFOSAA	*89.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
M2-4:2 FTS	*76.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*
M2-6:2 FTS	*84.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:00*	*1*

Client Sample ID: 16E_5-10

Lab Sample ID: 460-319886-4

Date Collected: 02/03/25 15:04
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 85.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	75.2		20 - 150	02/06/25 13:09	02/07/25 14:00	1
13C3 HFPO-DA	69.1		20 - 150	02/06/25 13:09	02/07/25 14:00	1
d7-N-MeFOSE-M	57.0		20 - 150	02/06/25 13:09	02/07/25 14:00	1
d9-N-EtFOSE-M	47.5		20 - 150	02/06/25 13:09	02/07/25 14:00	1
d5-NEtPFOSA	62.9		20 - 150	02/06/25 13:09	02/07/25 14:00	1
d3-NMePFOSA	67.1		20 - 150	02/06/25 13:09	02/07/25 14:00	1
13C2-PFDoDA	61.4		20 - 150	02/06/25 13:09	02/07/25 14:00	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6780		20.6	5.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Antimony	0.43	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Arsenic	5.5		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Barium	56.3		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Beryllium	1.2		0.41	0.059	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Cadmium	0.32	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Calcium	3060		103	41.8	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Chromium	25.3		2.1	0.93	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Cobalt	7.9		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Copper	52.0		2.1	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Iron	15100		61.7	20.8	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Lead	183		0.62	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Magnesium	2690		103	10.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Manganese	495		4.1	0.41	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Nickel	23.4		2.1	0.48	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Potassium	751		103	16.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Selenium	0.36	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Silver	0.18	J	0.41	0.091	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Sodium	78.9	J	103	47.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Thallium	0.087	J	0.41	0.042	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Vanadium	27.1		2.1	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1
Zinc	161		8.2	3.1	mg/Kg	☼	02/10/25 06:14	02/11/25 13:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.018	0.0083	mg/Kg	☼	02/07/25 01:21	02/07/25 06:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.6		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	85.4		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16F_0-5

Lab Sample ID: 460-319886-5

Date Collected: 02/03/25 15:20
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
1,2-Diphenylhydrazine	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzidine	0.36	U	0.36	0.076	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1
Pyridine	0.36	U	0.36	0.052	mg/Kg	☼	02/05/25 20:02	02/06/25 16:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pentadecane, 2,6,10,14-tetramethyl-	*0.40*	*J N*	*mg/Kg*	☼	*8.27*	*1921-70-6*	*02/05/25 20:02*	*02/06/25 16:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*02/05/25 20:02*	*02/06/25 16:19*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*02/05/25 20:02*	*02/06/25 16:19*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 133*	*02/05/25 20:02*	*02/06/25 16:19*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*02/05/25 20:02*	*02/06/25 16:19*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*02/05/25 20:02*	*02/06/25 16:19*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*02/05/25 20:02*	*02/06/25 16:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1
trans-Chlordane	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:09*	*1*
DCB Decachlorobiphenyl	*63*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:09*	*1*
Tetrachloro-m-xylene	*65*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:09*	*1*
Tetrachloro-m-xylene	*59*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:23*	*1*
DCB Decachlorobiphenyl	*102*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:23*	*1*
Tetrachloro-m-xylene	*92*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:23*	*1*
Tetrachloro-m-xylene	*92*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:23*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoropentanoic acid (PFPeA)	**0.069**	**J**	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorohexanoic acid (PFHxA)	**0.071**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoroheptanoic acid (PFHpA)	**0.096**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorooctanoic acid (PFOA)	**0.24**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorononanoic acid (PFNA)	**3.32**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorodecanoic acid (PFDA)	**0.27**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoroundecanoic acid (PFUnA)	**6.21**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorododecanoic acid (PFDoA)	**0.17**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorotridecanoic acid (PFTrDA)	**3.85**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorotetradecanoic acid (PFTeDA)	**0.060**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid
Percent Solids: 90.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.073**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.27**	**J**	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:16*	*1*
13C5 PFPeA	*96.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:16*	*1*
13C5 PFHxA	*86.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:16*	*1*
13C4 PFHpA	*91.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:16*	*1*
13C8 PFOA	*82.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:16*	*1*

Client Sample ID: 16F_0-5

Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5

Matrix: Solid
Percent Solids: 90.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C9 PFNA	86.6		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C6 PFDA	90.8		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C7 PFUnA	85.9		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C2 PFTeDA	77.1		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C3 PFBS	78.9		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C3 PFHxS	76.5		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C8 PFOS	85.0		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C8 FOSA	89.9		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d3-NMeFOSAA	91.5		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d5-NEtFOSAA	98.9		20 - 150	02/06/25 13:09	02/07/25 14:16	1
M2-4:2 FTS	87.5		20 - 150	02/06/25 13:09	02/07/25 14:16	1
M2-6:2 FTS	89.5		20 - 150	02/06/25 13:09	02/07/25 14:16	1
M2-8:2 FTS	78.6		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C3 HFPO-DA	85.3		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d7-N-MeFOSE-M	71.4		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d9-N-EtFOSE-M	65.1		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d5-NEtPFOSA	79.0		20 - 150	02/06/25 13:09	02/07/25 14:16	1
d3-NMePFOSA	80.7		20 - 150	02/06/25 13:09	02/07/25 14:16	1
13C2-PFDoDA	78.5		20 - 150	02/06/25 13:09	02/07/25 14:16	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8410		20.1	5.5	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Antimony	0.50	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Arsenic	5.9		1.0	0.10	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Barium	79.4		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Beryllium	1.2		0.40	0.057	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Cadmium	0.30	J	1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Calcium	2120		101	40.9	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Chromium	28.3		2.0	0.91	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Cobalt	7.3		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Copper	59.1		2.0	0.37	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Iron	19500		60.3	20.3	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Lead	175		0.60	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Magnesium	2110		101	10.3	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Manganese	185		4.0	0.41	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Nickel	24.7		2.0	0.47	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Potassium	1040		101	16.3	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Selenium	0.35	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Silver	0.18	J	0.40	0.089	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Sodium	155		101	45.9	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Thallium	0.089	J	0.40	0.041	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Vanadium	22.8		2.0	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1
Zinc	218		8.0	3.1	mg/Kg	☼	02/10/25 06:14	02/11/25 13:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.017	0.0080	mg/Kg	☼	02/07/25 01:21	02/07/25 06:06	1

Client Sample ID: 16F_0-5

Lab Sample ID: 460-319886-5
Date Collected: 02/03/25 15:20
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.6		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	90.4		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16F_5-10

Lab Sample ID: 460-319886-6
Date Collected: 02/03/25 15:25
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
1,2-Diphenylhydrazine	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzidine	0.37	U	0.37	0.077	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Pyrene	**0.030**	**J**	0.37	0.0091	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1
Pyridine	0.37	U	0.37	0.052	mg/Kg	☼	02/05/25 20:02	02/06/25 20:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Undecane, 3,6-dimethyl-	*0.37*	*J N*	*mg/Kg*	☼	*6.06*	*17301-28-9*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*1.3*	*J*	*mg/Kg*	☼	*6.41*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.46*	*J*	*mg/Kg*	☼	*6.65*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Nonane, 3,7-dimethyl-	*0.92*	*J N*	*mg/Kg*	☼	*6.94*	*17302-32-8*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.82*	*J*	*mg/Kg*	☼	*7.05*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*1.4*	*J*	*mg/Kg*	☼	*7.31*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Heptadecane, 2,6,10,14-tetramethyl-	*1.4*	*J N*	*mg/Kg*	☼	*7.33*	*18344-37-1*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.79*	*J*	*mg/Kg*	☼	*7.44*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*1.2*	*J*	*mg/Kg*	☼	*7.48*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.35*	*J*	*mg/Kg*	☼	*7.51*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.37*	*J*	*mg/Kg*	☼	*7.58*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.51*	*J*	*mg/Kg*	☼	*7.76*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.40*	*J*	*mg/Kg*	☼	*7.82*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.42*	*J*	*mg/Kg*	☼	*7.85*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.75*	*J*	*mg/Kg*	☼	*7.88*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Heptadecane, 2,6,10,15-tetramethyl-	*1.6*	*J N*	*mg/Kg*	☼	*8.06*	*54833-48-6*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Pentadecane, 2,6,10,14-tetramethyl-	*4.2*	*J N*	*mg/Kg*	☼	*8.27*	*1921-70-6*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Unknown	*0.47*	*J*	*mg/Kg*	☼	*8.43*	*N/A*	*02/05/25 20:02*	*02/06/25 20:17*	*1*

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Hexadecane, 2,6,10,14-tetramethyl-	*2.0*	*J N*	*mg/Kg*	☼	*8.63*	*638-36-8*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Hexadecane	*0.42*	*J N*	*mg/Kg*	☼	*8.89*	*544-76-3*	*02/05/25 20:02*	*02/06/25 20:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*02/05/25 20:02*	*02/06/25 20:17*	*1*
Terphenyl-d14 (Surr)	*87*		*44 - 147*	*02/05/25 20:02*	*02/06/25 20:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
4,4'-DDE	**0.0028**	**J**	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
4,4'-DDT	**0.0084**		0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1
trans-Chlordane	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:21*	*1*
DCB Decachlorobiphenyl	*35*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:21*	*1*
Tetrachloro-m-xylene	*36*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:21*	*1*
Tetrachloro-m-xylene	*33*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:39*	*1*
DCB Decachlorobiphenyl	*124*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:39*	*1*
Tetrachloro-m-xylene	*94*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:39*	*1*
Tetrachloro-m-xylene	*88*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:39*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoroheptanoic acid (PFHpA)	**0.036**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorooctanoic acid (PFOA)	**0.10**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorononanoic acid (PFNA)	**1.29**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorodecanoic acid (PFDA)	**0.15**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoroundecanoic acid (PFUnA)	**4.63**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorododecanoic acid (PFDoA)	**0.17**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorotridecanoic acid (PFTrDA)	**4.47**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorotetradecanoic acid (PFTeDA)	**0.058**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.054**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.25**	**J**	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 14:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C5 PFPeA	*89.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C5 PFHxA	*82.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C4 PFHpA	*87.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C8 PFOA	*80.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C9 PFNA	*81.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C6 PFDA	*82.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C7 PFUnA	*85.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C2 PFTeDA	*72.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C3 PFBS	*77.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C3 PFHxS	*78.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C8 PFOS	*82.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C8 FOSA	*83.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d3-NMeFOSAA	*84.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d5-NEtFOSAA	*111*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
M2-4:2 FTS	*84.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
M2-6:2 FTS	*89.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
M2-8:2 FTS	*78.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C3 HFPO-DA	*84.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d7-N-MeFOSE-M	*63.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d9-N-EtFOSE-M	*58.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d5-NEtPFOSA	*69.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
d3-NMePFOSA	*74.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*
13C2-PFDoDA	*76.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:33*	*1*

Client Sample ID: 16F_5-10

Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6

Matrix: Solid
Percent Solids: 89.9

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8620		21.0	5.8	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Antimony	0.64	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Arsenic	6.9		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Barium	76.9		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Beryllium	1.6		0.42	0.060	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Cadmium	0.29	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Calcium	3690		105	42.7	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Chromium	30.1		2.1	0.95	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Cobalt	9.3		2.1	0.16	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Copper	73.7		2.1	0.39	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Iron	20600		63.0	21.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Lead	213		0.63	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Magnesium	3350		105	10.7	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Manganese	172		4.2	0.42	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Nickel	34.3		2.1	0.49	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Potassium	1060		105	17.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Selenium	0.42	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Silver	0.25	J	0.42	0.093	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Sodium	176		105	48.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Thallium	0.091	J	0.42	0.043	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Vanadium	23.4		2.1	0.22	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1
Zinc	247		8.4	3.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0083	mg/Kg	☼	02/07/25 01:21	02/07/25 06:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16G_0-10

Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7

Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
1,2-Diphenylhydrazine	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1

Client Sample ID: 16G_0-10
Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzidine	0.37	U	0.37	0.078	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.033	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1

Client Sample ID: 16G_0-10

Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7

Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Pyrene	0.37	U	0.37	0.0092	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1
Pyridine	0.37	U	0.37	0.053	mg/Kg	☼	02/05/25 20:02	02/06/25 20:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 20:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*02/05/25 20:02*	*02/06/25 20:38*	*1*
2-Fluorobiphenyl	*87*		*38 - 128*	*02/05/25 20:02*	*02/06/25 20:38*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*02/05/25 20:02*	*02/06/25 20:38*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*02/05/25 20:02*	*02/06/25 20:38*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*02/05/25 20:02*	*02/06/25 20:38*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*02/05/25 20:02*	*02/06/25 20:38*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1
trans-Chlordane	0.0075	U	0.0075	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:33*	*1*
DCB Decachlorobiphenyl	*70*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:33*	*1*

Client Sample ID: 16G_0-10
Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*65*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:33*	*1*
Tetrachloro-m-xylene	*59*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 11:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:56*	*1*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:56*	*1*
Tetrachloro-m-xylene	*81*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:56*	*1*
Tetrachloro-m-xylene	*80*		*20 - 150*	*02/06/25 15:33*	*02/07/25 11:56*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorohexanoic acid (PFHxA)	**0.050**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoroheptanoic acid (PFHpA)	**0.054**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorononanoic acid (PFNA)	**0.81**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorodecanoic acid (PFDA)	**0.36**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoroundecanoic acid (PFUnA)	**4.53**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorododecanoic acid (PFDoA)	**0.14**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorotridecanoic acid (PFTrDA)	**2.70**		0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorotetradecanoic acid (PFTeDA)	**0.055**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorooctanesulfonic acid (PFOS)	**0.076**	**J**	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1

Client Sample ID: 16G_0-10
Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7
Matrix: Solid
Percent Solids: 89.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.24**	**J**	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	02/06/25 13:09	02/07/25 14:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*78.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C5 PFPeA	*84.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C5 PFHxA	*76.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C4 PFHpA	*82.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C8 PFOA	*74.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C9 PFNA	*75.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C6 PFDA	*84.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C7 PFUnA	*76.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C2 PFTeDA	*37.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C3 PFBS	*67.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C3 PFHxS	*68.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C8 PFOS	*75.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*
13C8 FOSA	*79.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 14:49*	*1*

Client Sample ID: 16G_0-10

Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7

Matrix: Solid
Percent Solids: 89.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	74.3		20 - 150	02/06/25 13:09	02/07/25 14:49	1
d5-NEtFOSAA	80.2		20 - 150	02/06/25 13:09	02/07/25 14:49	1
M2-4:2 FTS	74.7		20 - 150	02/06/25 13:09	02/07/25 14:49	1
M2-6:2 FTS	79.9		20 - 150	02/06/25 13:09	02/07/25 14:49	1
M2-8:2 FTS	68.6		20 - 150	02/06/25 13:09	02/07/25 14:49	1
13C3 HFPO-DA	77.9		20 - 150	02/06/25 13:09	02/07/25 14:49	1
d7-N-MeFOSE-M	52.3		20 - 150	02/06/25 13:09	02/07/25 14:49	1
d9-N-EtFOSE-M	49.1		20 - 150	02/06/25 13:09	02/07/25 14:49	1
d5-NEtPFOSA	62.7		20 - 150	02/06/25 13:09	02/07/25 14:49	1
d3-NMePFOSA	70.7		20 - 150	02/06/25 13:09	02/07/25 14:49	1
13C2-PFDoDA	64.8		20 - 150	02/06/25 13:09	02/07/25 14:49	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7820		20.8	5.7	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Antimony	0.55	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Arsenic	5.7		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Barium	137		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Beryllium	1.6		0.42	0.059	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Cadmium	0.52	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Calcium	3830		104	42.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Chromium	25.6		2.1	0.95	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Cobalt	11.8		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Copper	73.0		2.1	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Iron	20300		62.5	21.0	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Lead	219		0.62	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Magnesium	4460		104	10.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Manganese	1290		4.2	0.42	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Nickel	42.7		2.1	0.49	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Potassium	1130		104	16.9	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Selenium	0.24	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Silver	0.19	J	0.42	0.093	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Sodium	112		104	47.6	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Thallium	0.32	J	0.42	0.043	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Vanadium	21.4		2.1	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1
Zinc	242		8.3	3.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.018	0.0086	mg/Kg	☼	02/07/25 01:45	02/07/25 06:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.0		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	89.0		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16G_10-20
Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
1,2-Diphenylhydrazine	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Methylnaphthalene	**0.011**	**J**	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Nitroaniline	0.37	U	0.37	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzidine	0.37	U	0.37	0.077	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzo[a]anthracene	**0.055**		0.037	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzo[a]pyrene	**0.069**		0.037	0.0098	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzo[b]fluoranthene	**0.078**		0.037	0.0095	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzo[g,h,i]perylene	**0.052**	**J**	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Benzo[k]fluoranthene	**0.032**	**J**	0.037	0.0072	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Caprolactam	0.37	U	0.37	0.057	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Chrysene	**0.067**	**J**	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1

Client Sample ID: 16G_10-20

Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8

Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Fluoranthene	**0.042**	**J**	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Indeno[1,2,3-cd]pyrene	**0.042**		0.037	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Pyrene	**0.053**	**J**	0.37	0.0091	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1
Pyridine	0.37	U	0.37	0.052	mg/Kg	☼	02/05/25 20:02	02/06/25 21:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 21:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*02/05/25 20:02*	*02/06/25 21:00*	*1*
2-Fluorobiphenyl	*89*		*38 - 128*	*02/05/25 20:02*	*02/06/25 21:00*	*1*
2-Fluorophenol (Surr)	*87*		*31 - 133*	*02/05/25 20:02*	*02/06/25 21:00*	*1*
Nitrobenzene-d5 (Surr)	*85*		*31 - 120*	*02/05/25 20:02*	*02/06/25 21:00*	*1*
Phenol-d5 (Surr)	*83*		*35 - 132*	*02/05/25 20:02*	*02/06/25 21:00*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*02/05/25 20:02*	*02/06/25 21:00*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1

Client Sample ID: 16G_10-20

Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8

Matrix: Solid
Percent Solids: 89.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1
trans-Chlordane	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:46*	*1*
DCB Decachlorobiphenyl	*55*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:46*	*1*
Tetrachloro-m-xylene	*55*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:46*	*1*
Tetrachloro-m-xylene	*53*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*53*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:13*	*1*
DCB Decachlorobiphenyl	*54*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:13*	*1*
Tetrachloro-m-xylene	*51*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:13*	*1*
Tetrachloro-m-xylene	*50*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:13*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorononanoic acid (PFNA)	**0.087**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorodecanoic acid (PFDA)	**0.073**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoroundecanoic acid (PFUnA)	**0.94**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorododecanoic acid (PFDoA)	**0.090**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorotridecanoic acid (PFTrDA)	**0.85**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1

Client Sample ID: 16G_10-20
Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 15:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:06*	*1*
13C5 PFPeA	*85.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:06*	*1*
13C5 PFHxA	*79.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:06*	*1*

Client Sample ID: 16G_10-20

Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8

Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	86.7		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C8 PFOA	78.0		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C9 PFNA	82.6		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C6 PFDA	87.2		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C7 PFUnA	86.8		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C2 PFTeDA	74.1		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C3 PFBS	80.1		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C3 PFHxS	79.1		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C8 PFOS	86.2		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C8 FOSA	85.6		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d3-NMeFOSAA	82.2		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d5-NEtFOSAA	98.5		20 - 150	02/06/25 13:09	02/07/25 15:06	1
M2-4:2 FTS	77.9		20 - 150	02/06/25 13:09	02/07/25 15:06	1
M2-6:2 FTS	85.1		20 - 150	02/06/25 13:09	02/07/25 15:06	1
M2-8:2 FTS	81.4		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C3 HFPO-DA	80.9		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d7-N-MeFOSE-M	77.9		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d9-N-EtFOSE-M	72.1		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d5-NEtPFOSA	70.6		20 - 150	02/06/25 13:09	02/07/25 15:06	1
d3-NMePFOSA	76.5		20 - 150	02/06/25 13:09	02/07/25 15:06	1
13C2-PFDoDA	78.2		20 - 150	02/06/25 13:09	02/07/25 15:06	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7380		21.2	5.8	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Antimony	0.46	J	1.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Arsenic	6.2		1.1	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Barium	45.9		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Beryllium	0.58		0.42	0.060	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Cadmium	0.27	J	1.1	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Calcium	1310		106	43.1	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Chromium	22.4		2.1	0.96	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Cobalt	8.0		2.1	0.16	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Copper	42.3		2.1	0.39	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Iron	20600		63.6	21.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Lead	89.6		0.64	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Magnesium	2890		106	10.8	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Manganese	218		4.2	0.43	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Nickel	32.3		2.1	0.50	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Potassium	1110		106	17.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Selenium	0.27	J	1.3	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Silver	0.14	J	0.42	0.094	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Sodium	72.4	J	106	48.4	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Thallium	0.087	J	0.42	0.043	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Vanadium	24.8		2.1	0.22	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1
Zinc	132		8.5	3.2	mg/Kg	☼	02/10/25 06:14	02/11/25 13:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.018	0.0086	mg/Kg	☼	02/07/25 01:45	02/07/25 06:24	1

Client Sample ID: 16G_10-20

Lab Sample ID: 460-319886-8

Date Collected: 02/03/25 13:50

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 89.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16H_0-10

Lab Sample ID: 460-319886-9

Date Collected: 02/03/25 12:45

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 92.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
1,2-Diphenylhydrazine	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
2-Nitrophenol	0.35	U	0.35	0.036	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
3-Nitroaniline	0.35	U	0.35	0.084	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Nitroaniline	0.35	U	0.35	0.041	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzaldehyde	0.35	U	0.35	0.059	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzidine	0.35	U	0.35	0.075	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzo[a]anthracene	0.035	U	0.035	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzo[a]pyrene	0.035	U	0.035	0.0095	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0092	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0070	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1

Client Sample ID: 16H_0-10

Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9

Matrix: Solid
Percent Solids: 92.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Caprolactam	0.35	U	0.35	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Carbazole	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Dimethyl phthalate	0.35	U	0.35	0.081	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Di-n-butyl phthalate	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Hexachlorocyclopentadiene	0.35	U *	0.35	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Phenanthrene	0.35	U	0.35	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Pyrene	0.35	U	0.35	0.0088	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1
Pyridine	0.35	U	0.35	0.051	mg/Kg	☼	02/05/25 20:02	02/06/25 21:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 21:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*02/05/25 20:02*	*02/06/25 21:22*	*1*
2-Fluorobiphenyl	*77*		*38 - 128*	*02/05/25 20:02*	*02/06/25 21:22*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*02/05/25 20:02*	*02/06/25 21:22*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*02/05/25 20:02*	*02/06/25 21:22*	*1*
Phenol-d5 (Surr)	*72*		*35 - 132*	*02/05/25 20:02*	*02/06/25 21:22*	*1*
Terphenyl-d14 (Surr)	*81*		*44 - 147*	*02/05/25 20:02*	*02/06/25 21:22*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1

Client Sample ID: 16H_0-10

Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9

Matrix: Solid
Percent Solids: 92.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Methoxychlor	0.0072	U	0.0072	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1
trans-Chlordane	0.0072	U	0.0072	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:12*	*1*
DCB Decachlorobiphenyl	*66*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:12*	*1*
Tetrachloro-m-xylene	*55*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:12*	*1*
Tetrachloro-m-xylene	*58*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:29*	*1*
DCB Decachlorobiphenyl	*60*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:29*	*1*
Tetrachloro-m-xylene	*58*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:29*	*1*
Tetrachloro-m-xylene	*57*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:29*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoropentanoic acid (PFPeA)	**0.087**	**J**	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorohexanoic acid (PFHxA)	**0.062**	**J**	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoroheptanoic acid (PFHpA)	**0.086**	**J**	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorooctanoic acid (PFOA)	**0.097**	**J**	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorononanoic acid (PFNA)	**0.33**		0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1

Client Sample ID: 16H_0-10
Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9
Matrix: Solid
Percent Solids: 92.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	**0.26**		0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoroundecanoic acid (PFUnA)	**3.17**		0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorododecanoic acid (PFDoA)	**0.19**		0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorotridecanoic acid (PFTrDA)	**1.97**		0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorotetradecanoic acid (PFTeDA)	**0.058**	**J**	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.046**	**J**	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.20**	**J**	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1

Client Sample ID: 16H_0-10

Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9

Matrix: Solid
Percent Solids: 92.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 15:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C5 PFPeA	*95.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C5 PFHxA	*86.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C4 PFHpA	*92.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C8 PFOA	*84.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C9 PFNA	*86.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C6 PFDA	*88.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C7 PFUnA	*84.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C2 PFTeDA	*60.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C3 PFBS	*77.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C3 PFHxS	*81.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C8 PFOS	*88.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C8 FOSA	*89.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d3-NMeFOSAA	*87.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d5-NEtFOSAA	*103*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
M2-4:2 FTS	*84.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
M2-6:2 FTS	*92.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
M2-8:2 FTS	*81.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C3 HFPO-DA	*87.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d7-N-MeFOSE-M	*73.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d9-N-EtFOSE-M	*64.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d5-NEtPFOSA	*70.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
d3-NMePFOSA	*79.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*
13C2-PFDoDA	*73.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:23*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6340**		19.8	5.4	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Antimony	**0.49**	**J**	0.99	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Arsenic	**6.9**		0.99	0.10	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Barium	**48.7**		2.0	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Beryllium	**0.81**		0.40	0.056	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Cadmium	**0.36**	**J**	0.99	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Calcium	**7340**		99.1	40.3	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Chromium	**21.1**		2.0	0.90	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Cobalt	**7.8**		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Copper	**62.7**		2.0	0.36	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Iron	**18400**		59.4	20.0	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Lead	**211**		0.59	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Magnesium	**5770**		99.1	10.1	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Manganese	**203**		4.0	0.40	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Nickel	**25.0**		2.0	0.47	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1

Client Sample ID: 16H_0-10

Lab Sample ID: 460-319886-9

Date Collected: 02/03/25 12:45

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 92.6

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	815		99.1	16.0	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Selenium	0.39	J	1.2	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Silver	0.23	J	0.40	0.088	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Sodium	99.2		99.1	45.3	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Thallium	0.080	J	0.40	0.041	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Vanadium	22.8		2.0	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1
Zinc	184		7.9	3.0	mg/Kg	☼	02/10/25 06:14	02/11/25 14:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.017	0.0082	mg/Kg	☼	02/07/25 01:45	02/07/25 06:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.4		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	92.6		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16H_10-20

Lab Sample ID: 460-319886-10

Date Collected: 02/03/25 12:55

Matrix: Solid

Date Received: 02/04/25 17:30

Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
1,2-Diphenylhydrazine	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Chloronaphthalene	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1

Client Sample ID: 16H_10-20
Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	0.36	U	0.36	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzidine	0.36	U	0.36	0.076	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Di-n-butyl phthalate	**0.016**	**J**	0.36	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Hexachlorocyclopentadiene	0.36	U *	0.36	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1
Pyridine	0.36	U	0.36	0.052	mg/Kg	☼	02/05/25 20:02	02/06/25 17:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.57*	*J*	*mg/Kg*	☼	*7.31*	*N/A*	*02/05/25 20:02*	*02/06/25 17:24*	*1*
Unknown	*0.34*	*J*	*mg/Kg*	☼	*7.33*	*N/A*	*02/05/25 20:02*	*02/06/25 17:24*	*1*
Unknown	*0.49*	*J*	*mg/Kg*	☼	*7.44*	*N/A*	*02/05/25 20:02*	*02/06/25 17:24*	*1*
Unknown	*0.42*	*J*	*mg/Kg*	☼	*7.48*	*N/A*	*02/05/25 20:02*	*02/06/25 17:24*	*1*

Client Sample ID: 16H_10-20

Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Pentadecane, 2,6,10-trimethyl-	0.32	J N	mg/Kg	☼	8.06	3892-00-0	02/05/25 20:02	02/06/25 17:24	1
Pentadecane, 2,6,10,14-tetramethyl-	0.95	J N	mg/Kg	☼	8.27	1921-70-6	02/05/25 20:02	02/06/25 17:24	1
Hexadecane, 2,6,10,14-tetramethyl-	0.44	J N	mg/Kg	☼	8.63	638-36-8	02/05/25 20:02	02/06/25 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		24 - 137	02/05/25 20:02	02/06/25 17:24	1
2-Fluorobiphenyl	85		38 - 128	02/05/25 20:02	02/06/25 17:24	1
2-Fluorophenol (Surr)	82		31 - 133	02/05/25 20:02	02/06/25 17:24	1
Nitrobenzene-d5 (Surr)	81		31 - 120	02/05/25 20:02	02/06/25 17:24	1
Phenol-d5 (Surr)	80		35 - 132	02/05/25 20:02	02/06/25 17:24	1
Terphenyl-d14 (Surr)	87		44 - 147	02/05/25 20:02	02/06/25 17:24	1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1
trans-Chlordane	0.0074	U	0.0074	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		17 - 150	02/06/25 15:55	02/07/25 06:25	1
DCB Decachlorobiphenyl	92		17 - 150	02/06/25 15:55	02/07/25 06:25	1
Tetrachloro-m-xylene	78		21 - 150	02/06/25 15:55	02/07/25 06:25	1
Tetrachloro-m-xylene	79		21 - 150	02/06/25 15:55	02/07/25 06:25	1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1

Client Sample ID: 16H_10-20

Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:46*	*1*
DCB Decachlorobiphenyl	*106*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:46*	*1*
Tetrachloro-m-xylene	*91*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:46*	*1*
Tetrachloro-m-xylene	*84*		*20 - 150*	*02/06/25 15:33*	*02/07/25 12:46*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoroheptanoic acid (PFHpA)	**0.035**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorooctanoic acid (PFOA)	**0.065**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorononanoic acid (PFNA)	**0.17**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorodecanoic acid (PFDA)	**0.093**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoroundecanoic acid (PFUnA)	**2.83**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorododecanoic acid (PFDoA)	**0.074**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorotridecanoic acid (PFTrDA)	**0.77**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorooctanesulfonic acid (PFOS)	**0.53**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.16**	**J**	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorooctanesulfonamide (PFOSA)	**0.050**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1

Client Sample ID: 16H_10-20
Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10
Matrix: Solid
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	02/06/25 13:09	02/07/25 15:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C5 PFPeA	*94.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C5 PFHxA	*88.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C4 PFHpA	*95.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C8 PFOA	*88.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C9 PFNA	*92.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C6 PFDA	*98.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C7 PFUnA	*92.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C2 PFTeDA	*80.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C3 PFBS	*89.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C3 PFHxS	*89.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C8 PFOS	*99.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C8 FOSA	*98.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d3-NMeFOSAA	*102*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d5-NEtFOSAA	*114*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
M2-4:2 FTS	*95.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
M2-6:2 FTS	*101*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
M2-8:2 FTS	*96.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
13C3 HFPO-DA	*90.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d7-N-MeFOSE-M	*57.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d9-N-EtFOSE-M	*47.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d5-NEtPFOSA	*81.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*
d3-NMePFOSA	*84.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 15:39*	*1*

Client Sample ID: 16H_10-20

Lab Sample ID: 460-319886-10

Date Collected: 02/03/25 12:55
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	87.8		20 - 150	02/06/25 13:09	02/07/25 15:39	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4230		20.4	5.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Antimony	0.26	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Arsenic	4.8		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Barium	24.7		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Beryllium	0.84		0.41	0.058	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Cadmium	0.17	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Calcium	4610		102	41.5	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Chromium	13.9		2.0	0.93	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Cobalt	5.3		2.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Copper	35.6		2.0	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Iron	14100		61.2	20.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Lead	104		0.61	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Magnesium	3630		102	10.4	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Manganese	117		4.1	0.41	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Nickel	13.3		2.0	0.48	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Potassium	811		102	16.5	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Selenium	0.24	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Silver	0.41	U	0.41	0.091	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Sodium	53.2	J	102	46.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Thallium	0.41	U	0.41	0.042	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Vanadium	16.6		2.0	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1
Zinc	107		8.2	3.1	mg/Kg	☼	02/10/25 06:14	02/11/25 14:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0085	mg/Kg	☼	02/07/25 01:45	02/07/25 06:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.3		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	90.7		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16I_0-5

Lab Sample ID: 460-319886-11

Date Collected: 02/03/25 11:25
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 94.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
1,2-Diphenylhydrazine	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,4-Dichlorophenol	0.14	U	0.14	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2,6-Dinitrotoluene	0.071	U	0.071	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Chloronaphthalene	0.35	U	0.35	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Chlorophenol	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Methylnaphthalene	0.35	U	0.35	0.0098	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
3-Nitroaniline	0.35	U	0.35	0.083	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Chloroaniline	0.35	U	0.35	0.062	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Nitroaniline	0.35	U	0.35	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
4-Nitrophenol	0.71	U	0.71	0.057	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Anthracene	**0.013**	**J**	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzaldehyde	0.35	U	0.35	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzidine	0.35	U	0.35	0.073	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzo[a]anthracene	0.035	U	0.035	0.026	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzo[a]pyrene	0.035	U	0.035	0.0093	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0090	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzo[g,h,i]perylene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Butyl benzyl phthalate	0.35	U	0.35	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Caprolactam	0.35	U	0.35	0.054	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Dimethyl phthalate	0.35	U	0.35	0.079	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Di-n-butyl phthalate	**0.015**	**J**	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Hexachlorobutadiene	0.071	U	0.071	0.0074	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.35	U *	0.35	0.031	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Naphthalene	0.35	U	0.35	0.0060	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Nitrobenzene	0.035	U	0.035	0.019	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Pyrene	0.35	U	0.35	0.0087	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1
Pyridine	0.35	U	0.35	0.050	mg/Kg	☼	02/05/25 20:02	02/06/25 17:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Pentadecane, 2,6,10-trimethyl-	*0.40*	*J N*	*mg/Kg*	☼	*8.06*	*3892-00-0*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
Dodecane, 2,7,10-trimethyl-	*0.74*	*J N*	*mg/Kg*	☼	*8.27*	*74645-98-0*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
Octadecane	*0.37*	*J N*	*mg/Kg*	☼	*8.63*	*593-45-3*	*02/05/25 20:02*	*02/06/25 17:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
2-Fluorobiphenyl	*89*		*38 - 128*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*02/05/25 20:02*	*02/06/25 17:46*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*02/05/25 20:02*	*02/06/25 17:46*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0071	U	0.0071	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
4,4'-DDE	0.0071	U	0.0071	0.00084	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
4,4'-DDT	0.0071	U	0.0071	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Aldrin	0.0071	U	0.0071	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
alpha-BHC	0.0021	U	0.0021	0.00072	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Chlordane (technical)	0.071	U	0.071	0.017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
cis-Chlordane	0.0071	U	0.0071	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
delta-BHC	0.0021	U	0.0021	0.00043	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Dieldrin	0.0021	U	0.0021	0.00092	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endosulfan I	0.0071	U	0.0071	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endosulfan II	0.0071	U	0.0071	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endosulfan sulfate	0.0071	U	0.0071	0.00089	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endrin	0.0071	U	0.0071	0.0010	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endrin aldehyde	0.0071	U	0.0071	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Endrin ketone	0.0071	U	0.0071	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Heptachlor	0.0071	U	0.0071	0.00084	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Heptachlor epoxide	0.0071	U	0.0071	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Methoxychlor	0.0071	U	0.0071	0.0016	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1
Toxaphene	0.071	U	0.071	0.026	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	0.0071	U	0.0071	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:38*	*1*
DCB Decachlorobiphenyl	*53*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:38*	*1*
Tetrachloro-m-xylene	*43*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:38*	*1*
Tetrachloro-m-xylene	*44*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1221	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1232	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1242	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1248	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1254	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1260	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor 1268	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Aroclor-1262	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1
Polychlorinated biphenyls, Total	0.071	U	0.071	0.019	mg/Kg	☼	02/06/25 15:33	02/07/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:03*	*1*
DCB Decachlorobiphenyl	*47*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:03*	*1*
Tetrachloro-m-xylene	*44*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:03*	*1*
Tetrachloro-m-xylene	*43*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:03*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoropentanoic acid (PFPeA)	**0.14**	**J**	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorohexanoic acid (PFHxA)	**0.091**	**J**	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoroheptanoic acid (PFHpA)	**0.11**	**J**	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorooctanoic acid (PFOA)	**0.15**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorononanoic acid (PFNA)	**0.71**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorodecanoic acid (PFDA)	**0.50**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoroundecanoic acid (PFUnA)	**4.41**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorododecanoic acid (PFDoA)	**0.22**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorotridecanoic acid (PFTrDA)	**2.32**		0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorotetradecanoic acid (PFTeDA)	**0.056**	**J**	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorooctanesulfonic acid (PFOS)	**0.076**	**J**	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.21**	**J**	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.33	U	1.33	0.33	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.33	U	1.33	0.33	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.34	U	3.34	0.83	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.34	U	3.34	0.83	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	02/06/25 13:09	02/07/25 16:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*96.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C5 PFPeA	*100*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C5 PFHxA	*94.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C4 PFHpA	*101*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C8 PFOA	*90.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C9 PFNA	*94.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C6 PFDA	*96.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*
13C7 PFUnA	*91.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:29*	*1*

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	79.3		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C3 PFBS	86.7		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C3 PFHxS	91.2		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C8 PFOS	98.8		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C8 FOSA	99.1		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d3-NMeFOSAA	103		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d5-NEtFOSAA	134		20 - 150	02/06/25 13:09	02/07/25 16:29	1
M2-4:2 FTS	101		20 - 150	02/06/25 13:09	02/07/25 16:29	1
M2-6:2 FTS	109		20 - 150	02/06/25 13:09	02/07/25 16:29	1
M2-8:2 FTS	106		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C3 HFPO-DA	93.4		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d7-N-MeFOSE-M	86.0		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d9-N-EtFOSE-M	80.1		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d5-NEtPFOSA	80.3		20 - 150	02/06/25 13:09	02/07/25 16:29	1
d3-NMePFOSA	87.0		20 - 150	02/06/25 13:09	02/07/25 16:29	1
13C2-PFDoDA	84.5		20 - 150	02/06/25 13:09	02/07/25 16:29	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4890		19.3	5.3	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Antimony	0.78	J	0.97	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Arsenic	8.9		0.97	0.099	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Barium	26.2		1.9	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Beryllium	0.93		0.39	0.055	mg/Kg	☼	02/10/25 06:14	02/13/25 00:24	1
Cadmium	0.20	J	0.97	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Calcium	553		96.6	39.3	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Chromium	21.6		1.9	0.88	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Cobalt	5.2		1.9	0.14	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Copper	54.6		1.9	0.36	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Iron	21700		57.9	19.5	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Lead	106		0.58	0.19	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Magnesium	1200		96.6	9.9	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Manganese	119		3.9	0.39	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Nickel	16.5		1.9	0.45	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Potassium	629		96.6	15.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Selenium	0.47	J	1.2	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Silver	0.24	J	0.39	0.086	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Sodium	45.2	J	96.6	44.1	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Thallium	0.043	J	0.39	0.040	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Vanadium	18.7		1.9	0.20	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1
Zinc	133		7.7	2.9	mg/Kg	☼	02/10/25 06:14	02/11/25 14:27	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.033		0.017	0.0078	mg/Kg	☼	02/07/25 01:45	02/07/25 06:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.9		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	94.1		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
1,2-Diphenylhydrazine	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Chloronaphthalene	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Nitroaniline	0.37	U	0.37	0.043	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzaldehyde	0.37	U	0.37	0.061	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzidine	0.37	U	0.37	0.078	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.029	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Caprolactam	0.37	U	0.37	0.058	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Hexachlorocyclopentadiene	0.37	U *	0.37	0.033	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Pyrene	0.37	U	0.37	0.0092	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1
Pyridine	0.37	U	0.37	0.053	mg/Kg	☼	02/05/25 20:02	02/06/25 18:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/05/25 20:02*	*02/06/25 18:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*02/05/25 20:02*	*02/06/25 18:07*	*1*
2-Fluorobiphenyl	*86*		*38 - 128*	*02/05/25 20:02*	*02/06/25 18:07*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*02/05/25 20:02*	*02/06/25 18:07*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*02/05/25 20:02*	*02/06/25 18:07*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*02/05/25 20:02*	*02/06/25 18:07*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*02/05/25 20:02*	*02/06/25 18:07*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1
trans-Chlordane	0.0075	U	0.0075	0.0013	mg/Kg	☼	02/06/25 15:55	02/07/25 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:51*	*1*
DCB Decachlorobiphenyl	*53*		*17 - 150*	*02/06/25 15:55*	*02/07/25 06:51*	*1*
Tetrachloro-m-xylene	*42*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:51*	*1*
Tetrachloro-m-xylene	*44*		*21 - 150*	*02/06/25 15:55*	*02/07/25 06:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	02/06/25 15:33	02/07/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*49*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:19*	*1*
DCB Decachlorobiphenyl	*48*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:19*	*1*
Tetrachloro-m-xylene	*47*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:19*	*1*
Tetrachloro-m-xylene	*46*		*20 - 150*	*02/06/25 15:33*	*02/07/25 13:19*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorohexanoic acid (PFHxA)	**0.042**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoroheptanoic acid (PFHpA)	**0.042**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorooctanoic acid (PFOA)	**0.044**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorononanoic acid (PFNA)	**0.15**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorodecanoic acid (PFDA)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoroundecanoic acid (PFUnA)	**2.29**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorododecanoic acid (PFDoA)	**0.28**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorotridecanoic acid (PFTrDA)	**2.54**		0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorotetradecanoic acid (PFTeDA)	**0.069**	**J**	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid
Percent Solids: 88.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.18**	**J**	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	02/06/25 13:09	02/07/25 16:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*97.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:46*	*1*
13C5 PFPeA	*103*		*20 - 150*	*02/06/25 13:09*	*02/07/25 16:46*	*1*

Client Sample ID: 16I_5-10

Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12

Matrix: Solid
Percent Solids: 88.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	94.9		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C4 PFHpA	100		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C8 PFOA	90.0		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C9 PFNA	92.2		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C6 PFDA	100		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C7 PFUnA	91.4		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C2 PFTeDA	73.6		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C3 PFBS	87.6		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C3 PFHxS	90.2		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C8 PFOS	100		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C8 FOSA	96.7		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d3-NMeFOSAA	101		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d5-NEtFOSAA	122		20 - 150	02/06/25 13:09	02/07/25 16:46	1
M2-4:2 FTS	99.7		20 - 150	02/06/25 13:09	02/07/25 16:46	1
M2-6:2 FTS	106		20 - 150	02/06/25 13:09	02/07/25 16:46	1
M2-8:2 FTS	95.0		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C3 HFPO-DA	94.2		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d7-N-MeFOSE-M	72.7		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d9-N-EtFOSE-M	64.4		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d5-NEtPFOSA	79.1		20 - 150	02/06/25 13:09	02/07/25 16:46	1
d3-NMePFOSA	86.8		20 - 150	02/06/25 13:09	02/07/25 16:46	1
13C2-PFDoDA	83.9		20 - 150	02/06/25 13:09	02/07/25 16:46	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4520		20.8	5.7	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Antimony	0.58	J	1.0	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Arsenic	7.5		1.0	0.11	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Barium	28.9		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Beryllium	1.2		0.42	0.059	mg/Kg	☼	02/10/25 06:14	02/13/25 00:27	1
Cadmium	0.19	J	1.0	0.12	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Calcium	4270		104	42.4	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Chromium	20.2		2.1	0.95	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Cobalt	5.0		2.1	0.15	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Copper	49.0		2.1	0.38	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Iron	14800		62.5	21.0	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Lead	95.9		0.62	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Magnesium	3300		104	10.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Manganese	147		4.2	0.42	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Nickel	16.8		2.1	0.49	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Potassium	624		104	16.9	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Selenium	0.29	J	1.3	0.13	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Silver	0.22	J	0.42	0.093	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Sodium	104	U	104	47.6	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Thallium	0.059	J	0.42	0.043	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Vanadium	17.1		2.1	0.21	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1
Zinc	153		8.3	3.2	mg/Kg	☼	02/10/25 06:14	02/11/25 14:29	1

Client Sample ID: 16I_5-10

Lab Sample ID: 460-319886-12

Date Collected: 02/03/25 11:30
Matrix: Solid
Date Received: 02/04/25 17:30
Percent Solids: 88.9

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.017	0.0079	mg/Kg	☼	02/07/25 01:45	02/07/25 06:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.1		1.0	1.0	%			02/09/25 09:50	1
Percent Solids (EPA Moisture)	88.9		1.0	1.0	%			02/09/25 09:50	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 460-319886-13

Date Collected: 02/03/25 16:05
Matrix: Water
Date Received: 02/04/25 17:30

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/10/25 09:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/10/25 09:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/10/25 09:39	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/10/25 09:39	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/10/25 09:39	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/10/25 09:39	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/10/25 09:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/10/25 09:39	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/10/25 09:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/10/25 09:39	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/10/25 09:39	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/10/25 09:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/10/25 09:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/10/25 09:39	1
1,4-Dioxane	50	U	50	28	ug/L			02/10/25 09:39	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/10/25 09:39	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/10/25 09:39	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/10/25 09:39	1
Acetone	5.0	U	5.0	4.4	ug/L			02/10/25 09:39	1
Benzene	1.0	U	1.0	0.20	ug/L			02/10/25 09:39	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/10/25 09:39	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/10/25 09:39	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/10/25 09:39	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/10/25 09:39	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/10/25 09:39	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/10/25 09:39	1
Chlorodibromomethane	1.0	U *	1.0	0.28	ug/L			02/10/25 09:39	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/10/25 09:39	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/10/25 09:39	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/10/25 09:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/10/25 09:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/10/25 09:39	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/10/25 09:39	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/10/25 09:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/10/25 09:39	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/10/25 09:39	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/10/25 09:39	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: TRIP BLANK
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-13
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/10/25 09:39	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/10/25 09:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/10/25 09:39	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/10/25 09:39	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/10/25 09:39	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/10/25 09:39	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/10/25 09:39	1
Styrene	1.0	U	1.0	0.42	ug/L			02/10/25 09:39	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/10/25 09:39	1
Toluene	1.0	U	1.0	0.38	ug/L			02/10/25 09:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/10/25 09:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/10/25 09:39	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/10/25 09:39	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/10/25 09:39	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/10/25 09:39	1
Total BTEX	6.0	U	6.0	0.30	ug/L			02/10/25 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*70 - 128*		*02/10/25 09:39*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*02/10/25 09:39*	*1*
Dibromofluoromethane (Surr)	*95*		*77 - 132*		*02/10/25 09:39*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/10/25 09:39*	*1*

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-319886-13	TRIP BLANK	88	105	95	94
LCS 460-1020400/4	Lab Control Sample	85	106	96	93
LCSD 460-1020400/5	Lab Control Sample Dup	82	109	93	94
MB 460-1020400/9	Method Blank	84	105	96	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-319886-1	16D_0-5	90	88	83	82	81	90
460-319886-2	16D_5-10	85	82	78	76	77	85
460-319886-3	16E_0-5	91	89	86	86	83	93
460-319886-4	16E_5-10	90	87	84	83	81	90
460-319886-5	16F_0-5	91	88	85	84	82	90
460-319886-5 MS	16F_0-5	90	87	81	82	81	82
460-319886-5 MSD	16F_0-5	97	94	87	88	87	89
460-319886-6	16F_5-10	91	88	84	82	82	87
460-319886-7	16G_0-10	90	87	84	84	81	91
460-319886-8	16G_10-20	92	89	87	85	83	93
460-319886-9	16H_0-10	79	77	75	73	72	81
460-319886-10	16H_10-20	87	85	82	81	80	87
460-319886-11	16I_0-5	89	89	84	84	82	89
460-319886-12	16I_5-10	88	86	83	83	81	89
LCS 460-1019811/2-A	Lab Control Sample	98	94	87	90	87	90
LCSD 460-1019811/3-A	Lab Control Sample Dup	98	94	88	89	88	89
MB 460-1019811/1-A	Method Blank	86	84	82	83	81	89

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
160-57052-A-1-E MS	Matrix Spike	110	94	78	73
160-57052-A-1-F MSD	Matrix Spike Duplicate	95	69	63	57

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-319886-1	16D_0-5	39	51	39	44
460-319886-2	16D_5-10	33	66	53	58
460-319886-3	16E_0-5	40	50	38	43
460-319886-4	16E_5-10	68	83	65	68
460-319886-5	16F_0-5	63	79	59	65
460-319886-6	16F_5-10	35	46	33	36
460-319886-7	16G_0-10	70	86	59	65
460-319886-8	16G_10-20	55	70	53	55
460-319886-9	16H_0-10	66	58	58	55
460-319886-10	16H_10-20	92	89	79	78
460-319886-11	16I_0-5	53	52	44	43
460-319886-12	16I_5-10	53	49	44	42
LCS 460-1019983/2-A	Lab Control Sample	51	50	47	48
LCSD 460-1019983/3-A	Lab Control Sample Dup	82	84	72	75
MB 460-1019983/1-A	Method Blank	94	89	81	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)
160-57052-A-1-B MS	Matrix Spike	109	81	70	65
160-57052-A-1-C MSD	Matrix Spike Duplicate	115	80	75	69
460-319886-1	16D_0-5	62	61	57	57
460-319886-2	16D_5-10	80	78	73	75
460-319886-3	16E_0-5	65	64	60	61
460-319886-4	16E_5-10	96	95	91	91
460-319886-5	16F_0-5	102	98	92	92
460-319886-6	16F_5-10	124	107	88	94
460-319886-7	16G_0-10	87	84	80	81
460-319886-8	16G_10-20	54	53	50	51
460-319886-9	16H_0-10	60	60	57	58
460-319886-10	16H_10-20	106	102	84	91
460-319886-11	16I_0-5	47	46	43	44
460-319886-12	16I_5-10	48	49	46	47
LCS 460-1019970/2-A	Lab Control Sample	97	95	94	92
LCSD 460-1019970/3-A	Lab Control Sample Dup	99	98	96	94
MB 460-1019970/1-A	Method Blank	105	99	95	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-319886-1	16D_0-5	95.1	95.2	92.9	101	90.0	94.6	97.2	88.2
460-319886-2	16D_5-10	76.0	79.1	74.4	81.7	73.5	75.0	82.7	81.0
460-319886-3	16E_0-5	86.6	98.8	86.6	95.2	80.7	85.1	89.6	80.6
460-319886-4	16E_5-10	72.8	75.8	70.0	75.4	68.9	70.9	74.0	71.6
460-319886-5	16F_0-5	85.6	96.2	86.4	91.6	82.0	86.6	90.8	85.9
460-319886-6	16F_5-10	84.7	89.6	82.9	87.3	80.4	81.8	82.2	85.5
460-319886-7	16G_0-10	78.1	84.7	76.9	82.3	74.3	75.0	84.0	76.1
460-319886-8	16G_10-20	80.0	85.8	79.8	86.7	78.0	82.6	87.2	86.8
460-319886-9	16H_0-10	89.0	95.1	86.0	92.8	84.3	86.2	88.4	84.7
460-319886-10	16H_10-20	93.8	94.6	88.6	95.0	88.4	92.5	98.7	92.3
460-319886-11	16I_0-5	96.2	100	94.6	101	90.3	94.6	96.3	91.8
460-319886-12	16I_5-10	97.1	103	94.9	100	90.0	92.2	100	91.4
460-319886-12 DU	16I_5-10	96.0	101	92.4	99.1	90.3	93.5	97.7	96.2
LCS 240-643893/3-A	Lab Control Sample	65.2	73.0	66.5	71.7	63.1	67.1	70.5	71.4
LLCS 240-643893/2-A	Lab Control Sample	83.5	86.4	81.7	90.9	77.8	81.4	84.1	82.6
MB 240-643893/1-A	Method Blank	74.0	75.9	71.2	78.3	72.3	75.0	80.5	75.7

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-319886-1	16D_0-5	70.7	84.2	85.2	92.3	95.1	95.9	105	90.5
460-319886-2	16D_5-10	66.6	74.3	72.8	82.3	79.7	83.7	87.9	79.7
460-319886-3	16E_0-5	70.6	81.7	83.9	89.3	87.2	86.2	92.6	91.8
460-319886-4	16E_5-10	64.2	66.8	68.6	76.3	74.6	75.2	89.5	76.9
460-319886-5	16F_0-5	77.1	78.9	76.5	85.0	89.9	91.5	98.9	87.5
460-319886-6	16F_5-10	72.4	77.7	78.0	82.4	83.3	84.8	111	84.4
460-319886-7	16G_0-10	37.0	67.9	68.4	75.3	79.6	74.3	80.2	74.7
460-319886-8	16G_10-20	74.1	80.1	79.1	86.2	85.6	82.2	98.5	77.9
460-319886-9	16H_0-10	60.5	77.8	81.4	88.0	89.5	87.4	103	84.0
460-319886-10	16H_10-20	80.4	89.5	89.6	99.2	98.9	102	114	95.2
460-319886-11	16I_0-5	79.3	86.7	91.2	98.8	99.1	103	134	101
460-319886-12	16I_5-10	73.6	87.6	90.2	100	96.7	101	122	99.7
460-319886-12 DU	16I_5-10	79.2	91.9	91.5	99.5	101	104	120	104
LCS 240-643893/3-A	Lab Control Sample	65.2	65.5	64.8	71.2	68.4	75.0	82.4	71.4
LLCS 240-643893/2-A	Lab Control Sample	72.0	81.5	81.4	87.3	81.8	84.8	92.6	84.2
MB 240-643893/1-A	Method Blank	74.0	71.6	73.4	81.6	79.8	78.5	97.1	77.0

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-319886-1	16D_0-5	94.0	88.1	94.5	72.0	63.3	77.8	86.5	78.5
460-319886-2	16D_5-10	87.7	80.4	75.7	65.5	60.9	66.4	70.7	71.8
460-319886-3	16E_0-5	91.8	82.2	85.6	63.4	57.0	69.6	72.8	75.2
460-319886-4	16E_5-10	84.3	75.2	69.1	57.0	47.5	62.9	67.1	61.4
460-319886-5	16F_0-5	89.5	78.6	85.3	71.4	65.1	79.0	80.7	78.5
460-319886-6	16F_5-10	89.0	78.0	84.0	63.6	58.7	69.3	74.8	76.0
460-319886-7	16G_0-10	79.9	68.6	77.9	52.3	49.1	62.7	70.7	64.8
460-319886-8	16G_10-20	85.1	81.4	80.9	77.9	72.1	70.6	76.5	78.2
460-319886-9	16H_0-10	92.3	81.2	87.4	73.2	64.2	70.5	79.8	73.9
460-319886-10	16H_10-20	101	96.6	90.3	57.9	47.4	81.2	84.7	87.8
460-319886-11	16I_0-5	109	106	93.4	86.0	80.1	80.3	87.0	84.5

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-319886-12	16I_5-10	106	95.0	94.2	72.7	64.4	79.1	86.8	83.9
460-319886-12 DU	16I_5-10	105	99.6	92.5	67.8	60.9	84.0	90.6	89.1
LCS 240-643893/3-A	Lab Control Sample	75.7	73.1	67.6	50.8	47.9	54.1	56.2	68.7
LLCS 240-643893/2-A	Lab Control Sample	103	85.6	82.7	52.6	46.8	56.4	61.2	75.4
MB 240-643893/1-A	Method Blank	82.8	78.3	72.0	65.5	56.6	61.2	64.0	72.2

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1020400/9
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/10/25 09:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			02/10/25 09:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/10/25 09:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			02/10/25 09:14	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/10/25 09:14	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/10/25 09:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/10/25 09:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/10/25 09:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/10/25 09:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/10/25 09:14	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			02/10/25 09:14	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			02/10/25 09:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/10/25 09:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/10/25 09:14	1
1,4-Dioxane	50	U	50	28	ug/L			02/10/25 09:14	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/10/25 09:14	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/10/25 09:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/10/25 09:14	1
Acetone	5.0	U	5.0	4.4	ug/L			02/10/25 09:14	1
Benzene	1.0	U	1.0	0.20	ug/L			02/10/25 09:14	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/10/25 09:14	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/10/25 09:14	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/10/25 09:14	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/10/25 09:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/10/25 09:14	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/10/25 09:14	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			02/10/25 09:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/10/25 09:14	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/10/25 09:14	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/10/25 09:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/10/25 09:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/10/25 09:14	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/10/25 09:14	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			02/10/25 09:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/10/25 09:14	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/10/25 09:14	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/10/25 09:14	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/10/25 09:14	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/10/25 09:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/10/25 09:14	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/10/25 09:14	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/10/25 09:14	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/10/25 09:14	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/10/25 09:14	1
Styrene	1.0	U	1.0	0.42	ug/L			02/10/25 09:14	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			02/10/25 09:14	1
Toluene	1.0	U	1.0	0.38	ug/L			02/10/25 09:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/10/25 09:14	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1020400/9
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			02/10/25 09:14	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			02/10/25 09:14	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/10/25 09:14	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/10/25 09:14	1
Total BTEX	6.0	U	6.0	0.30	ug/L			02/10/25 09:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*		*02/10/25 09:14*	*1*
4-Bromofluorobenzene	*105*		*76 - 120*		*02/10/25 09:14*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 132*		*02/10/25 09:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*02/10/25 09:14*	*1*

Lab Sample ID: LCS 460-1020400/4
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.3		ug/L		106	72 - 128
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		109	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.5		ug/L		102	65 - 142
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	74 - 125
1,1-Dichloroethane	20.0	17.9		ug/L		89	73 - 130
1,1-Dichloroethene	20.0	18.6		ug/L		93	68 - 133
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	55 - 150
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	26.0		ug/L		130	58 - 132
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		95	66 - 129
1,2-Dichloropropane	20.0	17.8		ug/L		89	72 - 128
1,3-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	21.8		ug/L		109	80 - 120
1,4-Dioxane	400	465		ug/L		116	42 - 150
2-Butanone (MEK)	100	137		ug/L		137	65 - 142
2-Hexanone	100	119		ug/L		119	72 - 134
4-Methyl-2-pentanone (MIBK)	100	116		ug/L		116	77 - 130
Acetone	100	114		ug/L		114	60 - 133
Benzene	20.0	19.7		ug/L		99	71 - 126
Bromoform	20.0	25.4		ug/L		127	58 - 128
Bromomethane	20.0	19.9		ug/L		99	33 - 150
Carbon disulfide	20.0	17.4		ug/L		87	35 - 150
Carbon tetrachloride	20.0	21.9		ug/L		109	65 - 131
Chlorobenzene	20.0	21.9		ug/L		110	80 - 120
Chlorobromomethane	20.0	23.3		ug/L		117	71 - 134
Chlorodibromomethane	20.0	23.9		ug/L		120	73 - 121
Chloroethane	20.0	19.6		ug/L		98	54 - 150
Chloroform	20.0	20.1		ug/L		101	78 - 125
Chloromethane	20.0	15.4		ug/L		77	43 - 149
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	78 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1020400/4
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	74 - 125
Cyclohexane	20.0	15.8		ug/L		79	64 - 142
Dichlorobromomethane	20.0	20.4		ug/L		102	76 - 121
Dichlorodifluoromethane	20.0	21.4		ug/L		107	38 - 144
Ethylbenzene	20.0	21.6		ug/L		108	78 - 120
Ethylene Dibromide	20.0	23.1		ug/L		116	79 - 126
Isopropylbenzene	20.0	21.8		ug/L		109	79 - 125
Methyl acetate	40.0	32.0		ug/L		80	50 - 147
Methyl tert-butyl ether	20.0	19.3		ug/L		96	72 - 131
Methylcyclohexane	20.0	18.2		ug/L		91	63 - 138
Methylene Chloride	20.0	19.2		ug/L		96	74 - 127
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	78 - 120
o-Xylene	20.0	22.7		ug/L		114	78 - 120
Styrene	20.0	22.2		ug/L		111	82 - 127
Tetrachloroethene	20.0	20.6		ug/L		103	70 - 127
Toluene	20.0	19.5		ug/L		98	78 - 120
trans-1,2-Dichloroethene	20.0	20.4		ug/L		102	70 - 126
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	71 - 127
Trichloroethene	20.0	19.4		ug/L		97	73 - 121
Trichlorofluoromethane	20.0	20.7		ug/L		103	62 - 134
Vinyl chloride	20.0	18.5		ug/L		92	55 - 144
Total BTEX	100	105		ug/L		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 128*
4-Bromofluorobenzene	*106*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 132*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-1020400/5
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.5		ug/L		102	72 - 128	4	30
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	63 - 139	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7		ug/L		103	65 - 142	1	30
1,1,2-Trichloroethane	20.0	21.1		ug/L		106	74 - 125	1	30
1,1-Dichloroethane	20.0	18.3		ug/L		91	73 - 130	2	30
1,1-Dichloroethene	20.0	19.9		ug/L		99	68 - 133	6	30
1,2,3-Trichlorobenzene	20.0	21.4		ug/L		107	55 - 150	2	30
1,2,4-Trichlorobenzene	20.0	20.7		ug/L		103	67 - 132	0	30
1,2-Dibromo-3-Chloropropane	20.0	24.3		ug/L		121	58 - 132	7	30
1,2-Dichlorobenzene	20.0	21.9		ug/L		110	80 - 120	1	30
1,2-Dichloroethane	20.0	19.0		ug/L		95	66 - 129	0	30
1,2-Dichloropropane	20.0	18.1		ug/L		90	72 - 128	1	30
1,3-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 120	3	30
1,4-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1020400/5
Matrix: Water
Analysis Batch: 1020400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	400	405		ug/L		101	42 - 150	14	30
2-Butanone (MEK)	100	141		ug/L		141	65 - 142	3	30
2-Hexanone	100	129		ug/L		129	72 - 134	8	30
4-Methyl-2-pentanone (MIBK)	100	114		ug/L		114	77 - 130	2	30
Acetone	100	120		ug/L		120	60 - 133	5	30
Benzene	20.0	19.7		ug/L		99	71 - 126	0	30
Bromoform	20.0	25.1		ug/L		126	58 - 128	1	30
Bromomethane	20.0	21.7		ug/L		109	33 - 150	9	30
Carbon disulfide	20.0	17.2		ug/L		86	35 - 150	1	30
Carbon tetrachloride	20.0	21.0		ug/L		105	65 - 131	4	30
Chlorobenzene	20.0	21.7		ug/L		108	80 - 120	1	30
Chlorobromomethane	20.0	23.0		ug/L		115	71 - 134	1	30
Chlorodibromomethane	20.0	25.2	*	ug/L		126	73 - 121	5	30
Chloroethane	20.0	18.2		ug/L		91	54 - 150	7	30
Chloroform	20.0	20.6		ug/L		103	78 - 125	2	30
Chloromethane	20.0	15.2		ug/L		76	43 - 149	1	30
cis-1,2-Dichloroethene	20.0	20.1		ug/L		101	78 - 121	0	30
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	74 - 125	3	30
Cyclohexane	20.0	15.8		ug/L		79	64 - 142	1	30
Dichlorobromomethane	20.0	20.7		ug/L		104	76 - 121	1	30
Dichlorodifluoromethane	20.0	21.7		ug/L		108	38 - 144	1	30
Ethylbenzene	20.0	22.0		ug/L		110	78 - 120	2	30
Ethylene Dibromide	20.0	22.5		ug/L		112	79 - 126	3	30
Isopropylbenzene	20.0	21.7		ug/L		108	79 - 125	1	30
Methyl acetate	40.0	32.7		ug/L		82	50 - 147	2	30
Methyl tert-butyl ether	20.0	20.0		ug/L		100	72 - 131	3	30
Methylcyclohexane	20.0	19.2		ug/L		96	63 - 138	5	30
Methylene Chloride	20.0	19.5		ug/L		97	74 - 127	1	30
m-Xylene & p-Xylene	20.0	21.6		ug/L		108	78 - 120	3	30
o-Xylene	20.0	22.6		ug/L		113	78 - 120	1	30
Styrene	20.0	22.0		ug/L		110	82 - 127	1	30
Tetrachloroethene	20.0	21.6		ug/L		108	70 - 127	5	30
Toluene	20.0	19.7		ug/L		98	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	70 - 126	2	30
trans-1,3-Dichloropropene	20.0	20.5		ug/L		102	71 - 127	4	30
Trichloroethene	20.0	20.4		ug/L		102	73 - 121	5	30
Trichlorofluoromethane	20.0	20.9		ug/L		104	62 - 134	1	30
Vinyl chloride	20.0	18.4		ug/L		92	55 - 144	1	30
Total BTEX	100	106		ug/L		106	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*70 - 128*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*93*		*77 - 132*
Toluene-d8 (Surr)	*94*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1019811/1-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
1,2-Diphenylhydrazine	0.33	U	0.33	0.013	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Chloronaphthalene	0.33	U	0.33	0.015	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Nitroaniline	0.33	U	0.33	0.038	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzidine	0.33	U	0.33	0.069	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.026	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		02/05/25 20:02	02/06/25 15:57	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1019811/1-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Phenol	0.33	U	0.33	0.012	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		02/05/25 20:02	02/06/25 15:57	1
Pyridine	0.33	U	0.33	0.047	mg/Kg		02/05/25 20:02	02/06/25 15:57	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*	*02/05/25 20:02*	*02/06/25 15:57*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*	*02/05/25 20:02*	*02/06/25 15:57*	*1*
2-Fluorobiphenyl	*84*		*38 - 128*	*02/05/25 20:02*	*02/06/25 15:57*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 133*	*02/05/25 20:02*	*02/06/25 15:57*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*02/05/25 20:02*	*02/06/25 15:57*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*02/05/25 20:02*	*02/06/25 15:57*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*02/05/25 20:02*	*02/06/25 15:57*	*1*

Lab Sample ID: LCS 460-1019811/2-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.51		mg/Kg		105	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.58		mg/Kg		107	60 - 120
1,2-Diphenylhydrazine	3.33	3.55		mg/Kg		106	55 - 125
1,4-Dioxane	3.33	2.77		mg/Kg		83	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.44		mg/Kg		103	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.50		mg/Kg		105	62 - 120
2,4,5-Trichlorophenol	3.33	3.85		mg/Kg		115	64 - 120
2,4,6-Trichlorophenol	3.33	3.69		mg/Kg		111	65 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1019811/2-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4-Dichlorophenol	3.33	3.58		mg/Kg		107	66 - 120
2,4-Dimethylphenol	3.33	4.00		mg/Kg		120	46 - 120
2,4-Dinitrophenol	6.67	6.01		mg/Kg		90	41 - 129
2,4-Dinitrotoluene	3.33	3.86		mg/Kg		116	65 - 124
2,6-Dinitrotoluene	3.33	3.60		mg/Kg		108	67 - 121
2-Chloronaphthalene	3.33	3.55		mg/Kg		106	64 - 120
2-Chlorophenol	3.33	3.27		mg/Kg		98	63 - 120
2-Methylnaphthalene	3.33	3.02		mg/Kg		90	64 - 120
2-Methylphenol	3.33	3.44		mg/Kg		103	63 - 120
2-Nitroaniline	3.33	3.79		mg/Kg		114	48 - 120
2-Nitrophenol	3.33	3.16		mg/Kg		95	64 - 120
3,3'-Dichlorobenzidine	3.33	1.98		mg/Kg		59	10 - 120
3-Nitroaniline	3.33	2.12		mg/Kg		64	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.28		mg/Kg		109	58 - 136
4-Bromophenyl phenyl ether	3.33	3.54		mg/Kg		106	60 - 120
4-Chloro-3-methylphenol	3.33	3.49		mg/Kg		105	66 - 120
4-Chloroaniline	3.33	1.97		mg/Kg		59	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.68		mg/Kg		110	62 - 120
4-Methylphenol	3.33	3.31		mg/Kg		99	61 - 120
4-Nitroaniline	3.33	3.45		mg/Kg		104	51 - 120
4-Nitrophenol	6.67	6.94		mg/Kg		104	42 - 132
Acenaphthene	3.33	3.46		mg/Kg		104	65 - 120
Acenaphthylene	3.33	3.68		mg/Kg		110	64 - 120
Acetophenone	3.33	3.19		mg/Kg		96	61 - 120
Anthracene	3.33	3.57		mg/Kg		107	67 - 120
Atrazine	1.33	1.60		mg/Kg		120	32 - 150
Benzaldehyde	1.33	1.51		mg/Kg		113	28 - 150
Benzidine	3.33	2.05		mg/Kg		62	10 - 120
Benzo[a]anthracene	3.33	3.55		mg/Kg		107	66 - 120
Benzo[a]pyrene	3.33	3.61		mg/Kg		108	73 - 123
Benzo[b]fluoranthene	3.33	3.53		mg/Kg		106	70 - 125
Benzo[g,h,i]perylene	3.33	3.71		mg/Kg		111	66 - 120
Benzo[k]fluoranthene	3.33	3.62		mg/Kg		109	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.32		mg/Kg		100	62 - 120
Bis(2-chloroethyl)ether	3.33	3.24		mg/Kg		97	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.48		mg/Kg		104	64 - 125
Butyl benzyl phthalate	3.33	3.49		mg/Kg		105	62 - 127
Caprolactam	1.33	1.51		mg/Kg		113	36 - 150
Carbazole	3.33	3.52		mg/Kg		106	64 - 120
Chrysene	3.33	3.52		mg/Kg		105	67 - 120
Dibenz(a,h)anthracene	3.33	3.66		mg/Kg		110	66 - 128
Dibenzofuran	3.33	3.64		mg/Kg		109	61 - 120
Diethyl phthalate	3.33	3.77		mg/Kg		113	63 - 120
Dimethyl phthalate	3.33	3.72		mg/Kg		112	65 - 120
Di-n-butyl phthalate	3.33	3.61		mg/Kg		108	66 - 120
Di-n-octyl phthalate	3.33	3.55		mg/Kg		106	61 - 123
Fluoranthene	3.33	3.57		mg/Kg		107	61 - 120
Fluorene	3.33	3.63		mg/Kg		109	64 - 120
Hexachlorobenzene	3.33	3.52		mg/Kg		106	66 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1019811/2-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019811

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Hexachlorobutadiene			3.33	3.29		mg/Kg		99	62 - 120		
Hexachlorocyclopentadiene			3.33	4.93	*	mg/Kg		148	13 - 120		
Hexachloroethane			3.33	3.16		mg/Kg		95	61 - 120		
Indeno[1,2,3-cd]pyrene			3.33	3.46		mg/Kg		104	71 - 137		
Isophorone			3.33	3.29		mg/Kg		99	61 - 120		
Naphthalene			3.33	3.38		mg/Kg		101	63 - 120		
Nitrobenzene			3.33	3.39		mg/Kg		102	63 - 120		
N-Nitrosodi-n-propylamine			3.33	3.28		mg/Kg		98	56 - 120		
N-Nitrosodiphenylamine			3.33	3.43		mg/Kg		103	63 - 120		
Pentachlorophenol			6.67	6.78		mg/Kg		102	61 - 126		
Phenanthrene			3.33	3.59		mg/Kg		108	66 - 120		
Phenol			3.33	3.30		mg/Kg		99	63 - 120		
Pyrene			3.33	3.54		mg/Kg		106	61 - 121		
Pyridine			6.67	4.49		mg/Kg		67	13 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*24 - 137*
2-Fluorobiphenyl	*94*		*38 - 128*
2-Fluorophenol (Surr)	*87*		*31 - 133*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*
Phenol-d5 (Surr)	*87*		*35 - 132*
Terphenyl-d14 (Surr)	*90*		*44 - 147*

Lab Sample ID: LCSD 460-1019811/3-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.44		mg/Kg		103	64 - 120	2	30
1,2,4,5-Tetrachlorobenzene			3.33	3.50		mg/Kg		105	60 - 120	2	30
1,2-Diphenylhydrazine			3.33	3.44		mg/Kg		103	55 - 125	3	30
1,4-Dioxane			3.33	2.71		mg/Kg		81	27 - 120	2	30
2,2'-oxybis[1-chloropropane]			3.33	3.42		mg/Kg		103	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.46		mg/Kg		104	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	3.76		mg/Kg		113	64 - 120	2	30
2,4,6-Trichlorophenol			3.33	3.60		mg/Kg		108	65 - 120	2	30
2,4-Dichlorophenol			3.33	3.45		mg/Kg		103	66 - 120	4	30
2,4-Dimethylphenol			3.33	3.87		mg/Kg		116	46 - 120	3	30
2,4-Dinitrophenol			6.67	6.10		mg/Kg		91	41 - 129	2	30
2,4-Dinitrotoluene			3.33	3.82		mg/Kg		114	65 - 124	1	30
2,6-Dinitrotoluene			3.33	3.53		mg/Kg		106	67 - 121	2	30
2-Chloronaphthalene			3.33	3.50		mg/Kg		105	64 - 120	1	30
2-Chlorophenol			3.33	3.25		mg/Kg		98	63 - 120	1	30
2-Methylnaphthalene			3.33	2.95		mg/Kg		88	64 - 120	2	30
2-Methylphenol			3.33	3.45		mg/Kg		103	63 - 120	0	30
2-Nitroaniline			3.33	3.71		mg/Kg		111	48 - 120	2	30
2-Nitrophenol			3.33	3.13		mg/Kg		94	64 - 120	1	30
3,3'-Dichlorobenzidine			3.33	2.05		mg/Kg		61	10 - 120	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1019811/3-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
3-Nitroaniline			3.33	2.15		mg/Kg		65	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	7.06		mg/Kg		106	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	3.49		mg/Kg		105	60 - 120	1	30
4-Chloro-3-methylphenol			3.33	3.37		mg/Kg		101	66 - 120	4	30
4-Chloroaniline			3.33	2.07		mg/Kg		62	10 - 120	5	30
4-Chlorophenyl phenyl ether			3.33	3.62		mg/Kg		108	62 - 120	2	30
4-Methylphenol			3.33	3.34		mg/Kg		100	61 - 120	1	30
4-Nitroaniline			3.33	3.50		mg/Kg		105	51 - 120	1	30
4-Nitrophenol			6.67	6.83		mg/Kg		103	42 - 132	2	30
Acenaphthene			3.33	3.42		mg/Kg		103	65 - 120	1	30
Acenaphthylene			3.33	3.60		mg/Kg		108	64 - 120	2	30
Acetophenone			3.33	3.18		mg/Kg		95	61 - 120	0	30
Anthracene			3.33	3.48		mg/Kg		104	67 - 120	3	30
Atrazine			1.33	1.52		mg/Kg		114	32 - 150	5	30
Benzaldehyde			1.33	1.49		mg/Kg		112	28 - 150	1	30
Benzidine			3.33	2.18		mg/Kg		65	10 - 120	6	30
Benzo[a]anthracene			3.33	3.46		mg/Kg		104	66 - 120	2	30
Benzo[a]pyrene			3.33	3.50		mg/Kg		105	73 - 123	3	30
Benzo[b]fluoranthene			3.33	3.44		mg/Kg		103	70 - 125	3	30
Benzo[g,h,i]perylene			3.33	3.55		mg/Kg		106	66 - 120	5	30
Benzo[k]fluoranthene			3.33	3.52		mg/Kg		106	67 - 122	3	30
Bis(2-chloroethoxy)methane			3.33	3.24		mg/Kg		97	62 - 120	2	30
Bis(2-chloroethyl)ether			3.33	3.24		mg/Kg		97	60 - 120	0	30
Bis(2-ethylhexyl) phthalate			3.33	3.41		mg/Kg		102	64 - 125	2	30
Butyl benzyl phthalate			3.33	3.44		mg/Kg		103	62 - 127	1	30
Caprolactam			1.33	1.41		mg/Kg		106	36 - 150	7	30
Carbazole			3.33	3.47		mg/Kg		104	64 - 120	1	30
Chrysene			3.33	3.43		mg/Kg		103	67 - 120	2	30
Dibenz(a,h)anthracene			3.33	3.53		mg/Kg		106	66 - 128	3	30
Dibenzofuran			3.33	3.58		mg/Kg		107	61 - 120	2	30
Diethyl phthalate			3.33	3.74		mg/Kg		112	63 - 120	1	30
Dimethyl phthalate			3.33	3.67		mg/Kg		110	65 - 120	2	30
Di-n-butyl phthalate			3.33	3.53		mg/Kg		106	66 - 120	2	30
Di-n-octyl phthalate			3.33	3.44		mg/Kg		103	61 - 123	3	30
Fluoranthene			3.33	3.50		mg/Kg		105	61 - 120	2	30
Fluorene			3.33	3.59		mg/Kg		108	64 - 120	1	30
Hexachlorobenzene			3.33	3.43		mg/Kg		103	66 - 120	2	30
Hexachlorobutadiene			3.33	3.24		mg/Kg		97	62 - 120	1	30
Hexachlorocyclopentadiene			3.33	4.90	*	mg/Kg		147	13 - 120	0	30
Hexachloroethane			3.33	3.14		mg/Kg		94	61 - 120	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.50		mg/Kg		105	71 - 137	1	30
Isophorone			3.33	3.20		mg/Kg		96	61 - 120	3	30
Naphthalene			3.33	3.30		mg/Kg		99	63 - 120	2	30
Nitrobenzene			3.33	3.44		mg/Kg		103	63 - 120	2	30
N-Nitrosodi-n-propylamine			3.33	3.31		mg/Kg		99	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	3.36		mg/Kg		101	63 - 120	2	30
Pentachlorophenol			6.67	6.59		mg/Kg		99	61 - 126	3	30
Phenanthrene			3.33	3.50		mg/Kg		105	66 - 120	2	30
Phenol			3.33	3.33		mg/Kg		100	63 - 120	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1019811/3-A
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019811

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			3.33	3.44		mg/Kg		103	61 - 121	3	30
Pyridine			6.67	4.43		mg/Kg		66	13 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*24 - 137*
2-Fluorobiphenyl	*94*		*38 - 128*
2-Fluorophenol (Surr)	*88*		*31 - 133*
Nitrobenzene-d5 (Surr)	*89*		*31 - 120*
Phenol-d5 (Surr)	*88*		*35 - 132*
Terphenyl-d14 (Surr)	*89*		*44 - 147*

Lab Sample ID: 460-319886-5 MS
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: 16F_0-5
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.36	U	3.67	3.53		mg/Kg	☼	96	64 - 120
1,2,4,5-Tetrachlorobenzene	0.36	U	3.67	3.60		mg/Kg	☼	98	60 - 120
1,2-Diphenylhydrazine	0.36	U	3.67	3.59		mg/Kg	☼	98	55 - 125
1,4-Dioxane	0.036	U	3.67	2.68		mg/Kg	☼	73	27 - 120
2,2'-oxybis[1-chloropropane]	0.36	U	3.67	3.48		mg/Kg	☼	95	46 - 126
2,3,4,6-Tetrachlorophenol	0.36	U	3.67	3.54		mg/Kg	☼	97	62 - 120
2,4,5-Trichlorophenol	0.36	U	3.67	3.82		mg/Kg	☼	104	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.67	3.76		mg/Kg	☼	102	65 - 120
2,4-Dichlorophenol	0.15	U	3.67	3.52		mg/Kg	☼	96	66 - 120
2,4-Dimethylphenol	0.36	U	3.67	3.98		mg/Kg	☼	109	46 - 120
2,4-Dinitrophenol	0.29	U	7.33	6.28		mg/Kg	☼	86	41 - 129
2,4-Dinitrotoluene	0.074	U	3.67	3.80		mg/Kg	☼	104	65 - 124
2,6-Dinitrotoluene	0.074	U	3.67	3.58		mg/Kg	☼	98	67 - 121
2-Chloronaphthalene	0.36	U	3.67	3.58		mg/Kg	☼	98	64 - 120
2-Chlorophenol	0.36	U	3.67	3.34		mg/Kg	☼	91	63 - 120
2-Methylnaphthalene	0.36	U	3.67	3.02		mg/Kg	☼	82	64 - 120
2-Methylphenol	0.36	U	3.67	3.51		mg/Kg	☼	96	63 - 120
2-Nitroaniline	0.36	U	3.67	3.72		mg/Kg	☼	101	48 - 120
2-Nitrophenol	0.36	U	3.67	3.20		mg/Kg	☼	87	64 - 120
3,3'-Dichlorobenzidine	0.15	U	3.67	1.86		mg/Kg	☼	51	10 - 120
3-Nitroaniline	0.36	U	3.67	2.02		mg/Kg	☼	55	18 - 122
4,6-Dinitro-2-methylphenol	0.29	U	7.33	7.48		mg/Kg	☼	102	58 - 136
4-Bromophenyl phenyl ether	0.36	U	3.67	3.63		mg/Kg	☼	99	60 - 120
4-Chloro-3-methylphenol	0.36	U	3.67	3.47		mg/Kg	☼	95	66 - 120
4-Chloroaniline	0.36	U	3.67	1.75		mg/Kg	☼	48	10 - 120
4-Chlorophenyl phenyl ether	0.36	U	3.67	3.69		mg/Kg	☼	101	62 - 120
4-Methylphenol	0.36	U	3.67	3.39		mg/Kg	☼	92	61 - 120
4-Nitroaniline	0.36	U	3.67	3.36		mg/Kg	☼	92	51 - 120
4-Nitrophenol	0.74	U	7.33	7.04		mg/Kg	☼	96	42 - 132
Acenaphthene	0.36	U	3.67	3.56		mg/Kg	☼	97	65 - 120
Acenaphthylene	0.36	U	3.67	3.67		mg/Kg	☼	100	64 - 120
Acetophenone	0.36	U	3.67	3.25		mg/Kg	☼	89	61 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319886-5 MS
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: 16F_0-5
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Anthracene	0.36	U	3.67	3.61		mg/Kg	☼	98	67 - 120
Atrazine	0.15	U	1.47	2.02		mg/Kg	☼	137	32 - 150
Benzaldehyde	0.36	U	1.47	1.83	E	mg/Kg	☼	125	28 - 150
Benzidine	0.36	U	3.67	1.80		mg/Kg	☼	49	10 - 120
Benzo[a]anthracene	0.036	U	3.67	3.55		mg/Kg	☼	97	66 - 120
Benzo[a]pyrene	0.036	U	3.67	3.61		mg/Kg	☼	98	73 - 123
Benzo[b]fluoranthene	0.036	U	3.67	3.53		mg/Kg	☼	96	70 - 125
Benzo[g,h,i]perylene	0.36	U	3.67	3.81		mg/Kg	☼	104	66 - 120
Benzo[k]fluoranthene	0.036	U	3.67	3.63		mg/Kg	☼	99	67 - 122
Bis(2-chloroethoxy)methane	0.36	U	3.67	3.36		mg/Kg	☼	92	62 - 120
Bis(2-chloroethyl)ether	0.036	U	3.67	3.33		mg/Kg	☼	91	60 - 120
Bis(2-ethylhexyl) phthalate	0.36	U	3.67	3.51		mg/Kg	☼	96	64 - 125
Butyl benzyl phthalate	0.36	U	3.67	3.54		mg/Kg	☼	97	62 - 127
Caprolactam	0.36	U	1.47	1.82		mg/Kg	☼	124	36 - 150
Carbazole	0.36	U	3.67	3.56		mg/Kg	☼	97	64 - 120
Chrysene	0.36	U	3.67	3.55		mg/Kg	☼	97	67 - 120
Dibenz(a,h)anthracene	0.036	U	3.67	3.64		mg/Kg	☼	99	66 - 128
Dibenzofuran	0.36	U	3.67	3.69		mg/Kg	☼	101	61 - 120
Diethyl phthalate	0.36	U	3.67	3.79		mg/Kg	☼	103	63 - 120
Dimethyl phthalate	0.36	U	3.67	3.77		mg/Kg	☼	103	65 - 120
Di-n-butyl phthalate	0.36	U	3.67	3.70		mg/Kg	☼	101	66 - 120
Di-n-octyl phthalate	0.36	U	3.67	3.55		mg/Kg	☼	97	61 - 123
Fluoranthene	0.36	U	3.67	3.62		mg/Kg	☼	99	61 - 120
Fluorene	0.36	U	3.67	3.65		mg/Kg	☼	99	64 - 120
Hexachlorobenzene	0.036	U	3.67	3.58		mg/Kg	☼	98	66 - 120
Hexachlorobutadiene	0.074	U	3.67	3.26		mg/Kg	☼	89	62 - 120
Hexachlorocyclopentadiene	0.36	U *	3.67	4.89	*	mg/Kg	☼	133	13 - 120
Hexachloroethane	0.036	U	3.67	3.23		mg/Kg	☼	88	61 - 120
Indeno[1,2,3-cd]pyrene	0.036	U	3.67	3.51		mg/Kg	☼	96	71 - 137
Isophorone	0.15	U	3.67	3.26		mg/Kg	☼	89	61 - 120
Naphthalene	0.36	U	3.67	3.39		mg/Kg	☼	92	63 - 120
Nitrobenzene	0.036	U	3.67	3.44		mg/Kg	☼	94	63 - 120
N-Nitrosodi-n-propylamine	0.036	U	3.67	3.34		mg/Kg	☼	91	56 - 120
N-Nitrosodiphenylamine	0.36	U	3.67	3.51		mg/Kg	☼	96	63 - 120
Pentachlorophenol	0.29	U	7.33	6.75		mg/Kg	☼	92	61 - 126
Phenanthrene	0.36	U	3.67	3.62		mg/Kg	☼	99	66 - 120
Phenol	0.36	U	3.67	3.35		mg/Kg	☼	91	63 - 120
Pyrene	0.36	U	3.67	3.50		mg/Kg	☼	95	61 - 121
Pyridine	0.36	U	7.33	4.48		mg/Kg	☼	61	13 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	90		24 - 137
2-Fluorobiphenyl	87		38 - 128
2-Fluorophenol (Surr)	81		31 - 133
Nitrobenzene-d5 (Surr)	82		31 - 120
Phenol-d5 (Surr)	81		35 - 132
Terphenyl-d14 (Surr)	82		44 - 147

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319886-5 MSD
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: 16F_0-5
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.68	3.84		mg/Kg	☼	105	64 - 120	9	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.68	3.93		mg/Kg	☼	107	60 - 120	9	30
1,2-Diphenylhydrazine	0.36	U	3.68	3.89		mg/Kg	☼	106	55 - 125	8	30
1,4-Dioxane	0.036	U	3.68	2.82		mg/Kg	☼	77	27 - 120	5	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.68	3.74		mg/Kg	☼	102	46 - 126	7	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.68	3.83		mg/Kg	☼	104	62 - 120	8	30
2,4,5-Trichlorophenol	0.36	U	3.68	4.20		mg/Kg	☼	114	64 - 120	9	30
2,4,6-Trichlorophenol	0.15	U	3.68	4.13		mg/Kg	☼	112	65 - 120	9	30
2,4-Dichlorophenol	0.15	U	3.68	3.87		mg/Kg	☼	105	66 - 120	9	30
2,4-Dimethylphenol	0.36	U	3.68	4.31		mg/Kg	☼	117	46 - 120	8	30
2,4-Dinitrophenol	0.29	U	7.35	6.80		mg/Kg	☼	92	41 - 129	8	30
2,4-Dinitrotoluene	0.074	U	3.68	4.27		mg/Kg	☼	116	65 - 124	12	30
2,6-Dinitrotoluene	0.074	U	3.68	3.95		mg/Kg	☼	107	67 - 121	10	30
2-Chloronaphthalene	0.36	U	3.68	3.93		mg/Kg	☼	107	64 - 120	9	30
2-Chlorophenol	0.36	U	3.68	3.57		mg/Kg	☼	97	63 - 120	7	30
2-Methylnaphthalene	0.36	U	3.68	3.25		mg/Kg	☼	88	64 - 120	7	30
2-Methylphenol	0.36	U	3.68	3.81		mg/Kg	☼	104	63 - 120	8	30
2-Nitroaniline	0.36	U	3.68	4.11		mg/Kg	☼	112	48 - 120	10	30
2-Nitrophenol	0.36	U	3.68	3.49		mg/Kg	☼	95	64 - 120	9	30
3,3'-Dichlorobenzidine	0.15	U	3.68	2.26		mg/Kg	☼	61	10 - 120	20	30
3-Nitroaniline	0.36	U	3.68	2.32		mg/Kg	☼	63	18 - 122	13	30
4,6-Dinitro-2-methylphenol	0.29	U	7.35	8.21		mg/Kg	☼	112	58 - 136	9	30
4-Bromophenyl phenyl ether	0.36	U	3.68	3.93		mg/Kg	☼	107	60 - 120	8	30
4-Chloro-3-methylphenol	0.36	U	3.68	3.75		mg/Kg	☼	102	66 - 120	8	30
4-Chloroaniline	0.36	U	3.68	2.06		mg/Kg	☼	56	10 - 120	16	30
4-Chlorophenyl phenyl ether	0.36	U	3.68	4.02		mg/Kg	☼	109	62 - 120	8	30
4-Methylphenol	0.36	U	3.68	3.64		mg/Kg	☼	99	61 - 120	7	30
4-Nitroaniline	0.36	U	3.68	3.75		mg/Kg	☼	102	51 - 120	11	30
4-Nitrophenol	0.74	U	7.35	7.87		mg/Kg	☼	107	42 - 132	11	30
Acenaphthene	0.36	U	3.68	3.89		mg/Kg	☼	106	65 - 120	9	30
Acenaphthylene	0.36	U	3.68	4.02		mg/Kg	☼	109	64 - 120	9	30
Acetophenone	0.36	U	3.68	3.50		mg/Kg	☼	95	61 - 120	7	30
Anthracene	0.36	U	3.68	3.91		mg/Kg	☼	106	67 - 120	8	30
Atrazine	0.15	U	1.47	1.99		mg/Kg	☼	136	32 - 150	1	30
Benzaldehyde	0.36	U	1.47	1.82	E	mg/Kg	☼	124	28 - 150	0	30
Benzidine	0.36	U	3.68	2.25		mg/Kg	☼	61	10 - 120	22	30
Benzo[a]anthracene	0.036	U	3.68	3.89		mg/Kg	☼	106	66 - 120	9	30
Benzo[a]pyrene	0.036	U	3.68	3.95		mg/Kg	☼	107	73 - 123	9	30
Benzo[b]fluoranthene	0.036	U	3.68	4.04		mg/Kg	☼	110	70 - 125	13	30
Benzo[g,h,i]perylene	0.36	U	3.68	4.14		mg/Kg	☼	113	66 - 120	8	30
Benzo[k]fluoranthene	0.036	U	3.68	3.84		mg/Kg	☼	104	67 - 122	6	30
Bis(2-chloroethoxy)methane	0.36	U	3.68	3.63		mg/Kg	☼	99	62 - 120	8	30
Bis(2-chloroethyl)ether	0.036	U	3.68	3.57		mg/Kg	☼	97	60 - 120	7	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.68	3.90		mg/Kg	☼	106	64 - 125	11	30
Butyl benzyl phthalate	0.36	U	3.68	3.97		mg/Kg	☼	108	62 - 127	11	30
Caprolactam	0.36	U	1.47	1.81		mg/Kg	☼	123	36 - 150	0	30
Carbazole	0.36	U	3.68	3.90		mg/Kg	☼	106	64 - 120	9	30
Chrysene	0.36	U	3.68	3.87		mg/Kg	☼	105	67 - 120	9	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-319886-5 MSD
Matrix: Solid
Analysis Batch: 1019954

Client Sample ID: 16F_0-5
Prep Type: Total/NA
Prep Batch: 1019811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	0.036	U	3.68	4.04		mg/Kg	☼	110	66 - 128	10	30
Dibenzofuran	0.36	U	3.68	4.01		mg/Kg	☼	109	61 - 120	8	30
Diethyl phthalate	0.36	U	3.68	4.16		mg/Kg	☼	113	63 - 120	9	30
Dimethyl phthalate	0.36	U	3.68	4.08		mg/Kg	☼	111	65 - 120	8	30
Di-n-butyl phthalate	0.36	U	3.68	4.03		mg/Kg	☼	110	66 - 120	8	30
Di-n-octyl phthalate	0.36	U	3.68	3.92		mg/Kg	☼	107	61 - 123	10	30
Fluoranthene	0.36	U	3.68	3.92		mg/Kg	☼	107	61 - 120	8	30
Fluorene	0.36	U	3.68	3.99		mg/Kg	☼	108	64 - 120	9	30
Hexachlorobenzene	0.036	U	3.68	3.88		mg/Kg	☼	105	66 - 120	8	30
Hexachlorobutadiene	0.074	U	3.68	3.52		mg/Kg	☼	96	62 - 120	8	30
Hexachlorocyclopentadiene	0.36	U *	3.68	5.35	*	mg/Kg	☼	146	13 - 120	9	30
Hexachloroethane	0.036	U	3.68	3.46		mg/Kg	☼	94	61 - 120	7	30
Indeno[1,2,3-cd]pyrene	0.036	U	3.68	3.96		mg/Kg	☼	108	71 - 137	12	30
Isophorone	0.15	U	3.68	3.51		mg/Kg	☼	95	61 - 120	7	30
Naphthalene	0.36	U	3.68	3.66		mg/Kg	☼	99	63 - 120	8	30
Nitrobenzene	0.036	U	3.68	3.81		mg/Kg	☼	104	63 - 120	10	30
N-Nitrosodi-n-propylamine	0.036	U	3.68	3.57		mg/Kg	☼	97	56 - 120	7	30
N-Nitrosodiphenylamine	0.36	U	3.68	3.82		mg/Kg	☼	104	63 - 120	9	30
Pentachlorophenol	0.29	U	7.35	7.39		mg/Kg	☼	101	61 - 126	9	30
Phenanthrene	0.36	U	3.68	3.90		mg/Kg	☼	106	66 - 120	8	30
Phenol	0.36	U	3.68	3.59		mg/Kg	☼	98	63 - 120	7	30
Pyrene	0.36	U	3.68	3.86		mg/Kg	☼	105	61 - 121	10	30
Pyridine	0.36	U	7.35	4.73		mg/Kg	☼	64	13 - 120	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*97*		*24 - 137*
2-Fluorobiphenyl	*94*		*38 - 128*
2-Fluorophenol (Surr)	*87*		*31 - 133*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*
Phenol-d5 (Surr)	*87*		*35 - 132*
Terphenyl-d14 (Surr)	*89*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1019983/1-A
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		02/06/25 15:55	02/07/25 04:27	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1019983/1-A
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
trans-Chlordane	0.0067	U	0.0067	0.0012	mg/Kg		02/06/25 15:55	02/07/25 04:27	1
trans-Chlordane	0.0067	U	0.0067	0.0012	mg/Kg		02/06/25 15:55	02/07/25 04:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:27*	*1*
DCB Decachlorobiphenyl	*94*		*17 - 150*	*02/06/25 15:55*	*02/07/25 04:27*	*1*
Tetrachloro-m-xylene	*87*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:27*	*1*
Tetrachloro-m-xylene	*81*		*21 - 150*	*02/06/25 15:55*	*02/07/25 04:27*	*1*

Lab Sample ID: LCS 460-1019983/2-A
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.106		mg/Kg		80	70 - 138
4,4'-DDD	0.133	0.110		mg/Kg		82	70 - 138

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1019983/2-A
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	0.133	0.112		mg/Kg		84	68 - 136
4,4'-DDE	0.133	0.112		mg/Kg		84	68 - 136
4,4'-DDT	0.133	0.105		mg/Kg		78	66 - 149
4,4'-DDT	0.133	0.113		mg/Kg		85	66 - 149
Aldrin	0.133	0.108		mg/Kg		81	69 - 136
Aldrin	0.133	0.112		mg/Kg		84	69 - 136
alpha-BHC	0.133	0.112		mg/Kg		84	72 - 134
alpha-BHC	0.133	0.114		mg/Kg		86	72 - 134
beta-BHC	0.133	0.106		mg/Kg		79	71 - 130
beta-BHC	0.133	0.107		mg/Kg		80	71 - 130
cis-Chlordane	0.133	0.112		mg/Kg		84	69 - 135
cis-Chlordane	0.133	0.114		mg/Kg		85	69 - 135
delta-BHC	0.133	0.108		mg/Kg		81	69 - 140
delta-BHC	0.133	0.112		mg/Kg		84	69 - 140
Dieldrin	0.133	0.111		mg/Kg		83	69 - 134
Dieldrin	0.133	0.112		mg/Kg		84	69 - 134
Endosulfan I	0.133	0.111		mg/Kg		83	69 - 133
Endosulfan I	0.133	0.114		mg/Kg		86	69 - 133
Endosulfan II	0.133	0.115		mg/Kg		86	71 - 137
Endosulfan II	0.133	0.117		mg/Kg		88	71 - 137
Endosulfan sulfate	0.133	0.103		mg/Kg		77	61 - 140
Endosulfan sulfate	0.133	0.108		mg/Kg		81	61 - 140
Endrin	0.133	0.109		mg/Kg		82	67 - 141
Endrin	0.133	0.114		mg/Kg		85	67 - 141
Endrin aldehyde	0.133	0.108		mg/Kg		81	71 - 136
Endrin aldehyde	0.133	0.108		mg/Kg		81	71 - 136
Endrin ketone	0.133	0.104		mg/Kg		78	60 - 146
Endrin ketone	0.133	0.107		mg/Kg		80	60 - 146
gamma-BHC (Lindane)	0.133	0.110		mg/Kg		82	72 - 139
gamma-BHC (Lindane)	0.133	0.113		mg/Kg		85	72 - 139
Heptachlor	0.133	0.111		mg/Kg		83	74 - 138
Heptachlor	0.133	0.117		mg/Kg		88	74 - 138
Heptachlor epoxide	0.133	0.110		mg/Kg		82	72 - 134
Heptachlor epoxide	0.133	0.114		mg/Kg		85	72 - 134
Methoxychlor	0.133	0.103		mg/Kg		77	60 - 150
Methoxychlor	0.133	0.116		mg/Kg		87	60 - 150
trans-Chlordane	0.133	0.112		mg/Kg		84	69 - 136
trans-Chlordane	0.133	0.114		mg/Kg		86	69 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*50*		*17 - 150*
DCB Decachlorobiphenyl	*51*		*17 - 150*
Tetrachloro-m-xylene	*48*		*21 - 150*
Tetrachloro-m-xylene	*47*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1019983/3-A
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019983

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.122		mg/Kg		91	70 - 138	14	30
4,4'-DDD			0.133	0.122		mg/Kg		91	70 - 138	10	30
4,4'-DDE			0.133	0.129		mg/Kg		97	68 - 136	15	30
4,4'-DDE			0.133	0.123		mg/Kg		92	68 - 136	9	30
4,4'-DDT			0.133	0.119		mg/Kg		89	66 - 149	13	30
4,4'-DDT			0.133	0.126		mg/Kg		95	66 - 149	11	30
Aldrin			0.133	0.124		mg/Kg		93	69 - 136	14	30
Aldrin			0.133	0.123		mg/Kg		92	69 - 136	9	30
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 134	12	30
alpha-BHC			0.133	0.127		mg/Kg		95	72 - 134	10	30
beta-BHC			0.133	0.121		mg/Kg		90	71 - 130	13	30
beta-BHC			0.133	0.119		mg/Kg		89	71 - 130	11	30
cis-Chlordane			0.133	0.130		mg/Kg		97	69 - 135	15	30
cis-Chlordane			0.133	0.125		mg/Kg		94	69 - 135	9	30
delta-BHC			0.133	0.123		mg/Kg		92	69 - 140	13	30
delta-BHC			0.133	0.124		mg/Kg		93	69 - 140	10	30
Dieldrin			0.133	0.126		mg/Kg		94	69 - 134	13	30
Dieldrin			0.133	0.124		mg/Kg		93	69 - 134	10	30
Endosulfan I			0.133	0.128		mg/Kg		96	69 - 133	14	30
Endosulfan I			0.133	0.124		mg/Kg		93	69 - 133	9	30
Endosulfan II			0.133	0.129		mg/Kg		97	71 - 137	12	30
Endosulfan II			0.133	0.130		mg/Kg		97	71 - 137	10	30
Endosulfan sulfate			0.133	0.119		mg/Kg		90	61 - 140	15	30
Endosulfan sulfate			0.133	0.120		mg/Kg		90	61 - 140	10	30
Endrin			0.133	0.123		mg/Kg		92	67 - 141	12	30
Endrin			0.133	0.125		mg/Kg		94	67 - 141	9	30
Endrin aldehyde			0.133	0.123		mg/Kg		92	71 - 136	13	30
Endrin aldehyde			0.133	0.121		mg/Kg		91	71 - 136	11	30
Endrin ketone			0.133	0.122		mg/Kg		92	60 - 146	16	30
Endrin ketone			0.133	0.118		mg/Kg		89	60 - 146	10	30
gamma-BHC (Lindane)			0.133	0.125		mg/Kg		94	72 - 139	13	30
gamma-BHC (Lindane)			0.133	0.125		mg/Kg		94	72 - 139	10	30
Heptachlor			0.133	0.125		mg/Kg		94	74 - 138	12	30
Heptachlor			0.133	0.129		mg/Kg		96	74 - 138	9	30
Heptachlor epoxide			0.133	0.126		mg/Kg		94	72 - 134	13	30
Heptachlor epoxide			0.133	0.124		mg/Kg		93	72 - 134	9	30
Methoxychlor			0.133	0.120		mg/Kg		90	60 - 150	15	30
Methoxychlor			0.133	0.128		mg/Kg		96	60 - 150	10	30
trans-Chlordane			0.133	0.129		mg/Kg		97	69 - 136	14	30
trans-Chlordane			0.133	0.125		mg/Kg		94	69 - 136	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*17 - 150*
DCB Decachlorobiphenyl	*82*		*17 - 150*
Tetrachloro-m-xylene	*75*		*21 - 150*
Tetrachloro-m-xylene	*72*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 160-57052-A-1-E MS
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0079	U	0.158	0.140		mg/Kg	☼	89	70 - 138
4,4'-DDD	0.0079	U	0.158	0.143		mg/Kg	☼	90	70 - 138
4,4'-DDE	0.0079	U	0.158	0.133		mg/Kg	☼	84	68 - 136
4,4'-DDE	0.0079	U	0.158	0.136		mg/Kg	☼	86	68 - 136
4,4'-DDT	0.0079	U	0.158	0.136		mg/Kg	☼	86	66 - 149
4,4'-DDT	0.0079	U	0.158	0.158		mg/Kg	☼	100	66 - 149
Aldrin	0.0079	U	0.158	0.134		mg/Kg	☼	85	69 - 136
Aldrin	0.0079	U	0.158	0.147		mg/Kg	☼	93	69 - 136
alpha-BHC	0.0024	U	0.158	0.143		mg/Kg	☼	91	72 - 134
alpha-BHC	0.0024	U	0.158	0.153		mg/Kg	☼	97	72 - 134
beta-BHC	0.0024	U	0.158	0.115		mg/Kg	☼	73	71 - 130
beta-BHC	0.0024	U	0.158	0.124		mg/Kg	☼	78	71 - 130
cis-Chlordane	0.0079	U	0.158	0.139		mg/Kg	☼	88	69 - 135
cis-Chlordane	0.0079	U	0.158	0.144		mg/Kg	☼	91	69 - 135
delta-BHC	0.0024	U	0.158	0.137		mg/Kg	☼	87	69 - 140
delta-BHC	0.0024	U	0.158	0.145		mg/Kg	☼	92	69 - 140
Dieldrin	0.0024	U	0.158	0.147		mg/Kg	☼	93	69 - 134
Dieldrin	0.0024	U	0.158	0.148		mg/Kg	☼	93	69 - 134
Endosulfan I	0.0079	U	0.158	0.136		mg/Kg	☼	86	69 - 133
Endosulfan I	0.0079	U	0.158	0.147		mg/Kg	☼	93	69 - 133
Endosulfan II	0.0079	U	0.158	0.142		mg/Kg	☼	90	71 - 137
Endosulfan II	0.0079	U	0.158	0.152		mg/Kg	☼	96	71 - 137
Endosulfan sulfate	0.0079	U	0.158	0.137		mg/Kg	☼	87	61 - 140
Endosulfan sulfate	0.0079	U	0.158	0.143		mg/Kg	☼	91	61 - 140
Endrin	0.0079	U	0.158	0.131		mg/Kg	☼	83	67 - 141
Endrin	0.0079	U	0.158	0.151		mg/Kg	☼	96	67 - 141
Endrin aldehyde	0.0079	U	0.158	0.126		mg/Kg	☼	80	71 - 136
Endrin aldehyde	0.0079	U	0.158	0.136		mg/Kg	☼	86	71 - 136
Endrin ketone	0.0079	U	0.158	0.136		mg/Kg	☼	86	60 - 146
Endrin ketone	0.0079	U	0.158	0.140		mg/Kg	☼	89	60 - 146
gamma-BHC (Lindane)	0.0024	U	0.158	0.147		mg/Kg	☼	93	72 - 139
gamma-BHC (Lindane)	0.0024	U	0.158	0.153		mg/Kg	☼	97	72 - 139
Heptachlor	0.0079	U	0.158	0.141		mg/Kg	☼	89	74 - 138
Heptachlor	0.0079	U	0.158	0.157		mg/Kg	☼	100	74 - 138
Heptachlor epoxide	0.0079	U	0.158	0.143		mg/Kg	☼	91	72 - 134
Heptachlor epoxide	0.0079	U	0.158	0.154		mg/Kg	☼	98	72 - 134
Methoxychlor	0.0079	U	0.158	0.127		mg/Kg	☼	81	60 - 150
Methoxychlor	0.0079	U	0.158	0.167		mg/Kg	☼	106	60 - 150
trans-Chlordane	0.0079	U	0.158	0.105	*	mg/Kg	☼	66	69 - 136
trans-Chlordane	0.0079	U	0.158	0.140		mg/Kg	☼	89	69 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*94*		*17 - 150*
DCB Decachlorobiphenyl	*110*		*17 - 150*
Tetrachloro-m-xylene	*73*		*21 - 150*
Tetrachloro-m-xylene	*78*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 160-57052-A-1-F MSD
Matrix: Solid
Analysis Batch: 1020041

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1019983

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0079	U	0.159	0.144		mg/Kg	☼	91	70 - 138	3	30
4,4'-DDD	0.0079	U	0.159	0.145		mg/Kg	☼	91	70 - 138	2	30
4,4'-DDE	0.0079	U	0.159	0.139		mg/Kg	☼	88	68 - 136	5	30
4,4'-DDE	0.0079	U	0.159	0.139		mg/Kg	☼	88	68 - 136	2	30
4,4'-DDT	0.0079	U	0.159	0.141		mg/Kg	☼	89	66 - 149	4	30
4,4'-DDT	0.0079	U	0.159	0.163		mg/Kg	☼	103	66 - 149	3	30
Aldrin	0.0079	U	0.159	0.140		mg/Kg	☼	88	69 - 136	4	30
Aldrin	0.0079	U	0.159	0.152		mg/Kg	☼	96	69 - 136	4	30
alpha-BHC	0.0024	U	0.159	0.150		mg/Kg	☼	95	72 - 134	5	30
alpha-BHC	0.0024	U	0.159	0.159		mg/Kg	☼	100	72 - 134	4	30
beta-BHC	0.0024	U	0.159	0.119		mg/Kg	☼	75	71 - 130	3	30
beta-BHC	0.0024	U	0.159	0.126		mg/Kg	☼	79	71 - 130	2	30
cis-Chlordane	0.0079	U	0.159	0.144		mg/Kg	☼	91	69 - 135	3	30
cis-Chlordane	0.0079	U	0.159	0.147		mg/Kg	☼	93	69 - 135	2	30
delta-BHC	0.0024	U	0.159	0.141		mg/Kg	☼	89	69 - 140	3	30
delta-BHC	0.0024	U	0.159	0.148		mg/Kg	☼	93	69 - 140	2	30
Dieldrin	0.0024	U	0.159	0.152		mg/Kg	☼	96	69 - 134	3	30
Dieldrin	0.0024	U	0.159	0.151		mg/Kg	☼	95	69 - 134	2	30
Endosulfan I	0.0079	U	0.159	0.141		mg/Kg	☼	89	69 - 133	4	30
Endosulfan I	0.0079	U	0.159	0.150		mg/Kg	☼	95	69 - 133	2	30
Endosulfan II	0.0079	U	0.159	0.147		mg/Kg	☼	93	71 - 137	3	30
Endosulfan II	0.0079	U	0.159	0.154		mg/Kg	☼	97	71 - 137	1	30
Endosulfan sulfate	0.0079	U	0.159	0.142		mg/Kg	☼	89	61 - 140	3	30
Endosulfan sulfate	0.0079	U	0.159	0.151		mg/Kg	☼	95	61 - 140	5	30
Endrin	0.0079	U	0.159	0.136		mg/Kg	☼	86	67 - 141	4	30
Endrin	0.0079	U	0.159	0.154		mg/Kg	☼	97	67 - 141	2	30
Endrin aldehyde	0.0079	U	0.159	0.128		mg/Kg	☼	80	71 - 136	1	30
Endrin aldehyde	0.0079	U	0.159	0.137		mg/Kg	☼	87	71 - 136	1	30
Endrin ketone	0.0079	U	0.159	0.141		mg/Kg	☼	89	60 - 146	4	30
Endrin ketone	0.0079	U	0.159	0.147		mg/Kg	☼	93	60 - 146	5	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.153		mg/Kg	☼	97	72 - 139	4	30
gamma-BHC (Lindane)	0.0024	U	0.159	0.159		mg/Kg	☼	100	72 - 139	4	30
Heptachlor	0.0079	U	0.159	0.147		mg/Kg	☼	93	74 - 138	4	30
Heptachlor	0.0079	U	0.159	0.161		mg/Kg	☼	102	74 - 138	3	30
Heptachlor epoxide	0.0079	U	0.159	0.148		mg/Kg	☼	93	72 - 134	3	30
Heptachlor epoxide	0.0079	U	0.159	0.158		mg/Kg	☼	99	72 - 134	2	30
Methoxychlor	0.0079	U	0.159	0.133		mg/Kg	☼	84	60 - 150	5	30
Methoxychlor	0.0079	U	0.159	0.175		mg/Kg	☼	110	60 - 150	5	30
trans-Chlordane	0.0079	U	0.159	0.136		mg/Kg	☼	86	69 - 136	26	30
trans-Chlordane	0.0079	U	0.159	0.144		mg/Kg	☼	91	69 - 136	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*17 - 150*
DCB Decachlorobiphenyl	*95*		*17 - 150*
Tetrachloro-m-xylene	*57*		*21 - 150*
Tetrachloro-m-xylene	*63*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1019970/1-A
Matrix: Solid
Analysis Batch: 1020061

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1019970

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		02/06/25 15:33	02/07/25 07:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*02/06/25 15:33*	*02/07/25 07:13*	*1*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*02/06/25 15:33*	*02/07/25 07:13*	*1*
Tetrachloro-m-xylene	*94*		*20 - 150*	*02/06/25 15:33*	*02/07/25 07:13*	*1*
Tetrachloro-m-xylene	*95*		*20 - 150*	*02/06/25 15:33*	*02/07/25 07:13*	*1*

Lab Sample ID: LCS 460-1019970/2-A
Matrix: Solid
Analysis Batch: 1020061

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1019970

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.336		mg/Kg		101	54 - 136
Aroclor 1016	0.333	0.324		mg/Kg		97	54 - 136
Aroclor 1260	0.333	0.344		mg/Kg		103	53 - 145
Aroclor 1260	0.333	0.359		mg/Kg		108	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*95*		*20 - 150*
DCB Decachlorobiphenyl	*97*		*20 - 150*
Tetrachloro-m-xylene	*92*		*20 - 150*
Tetrachloro-m-xylene	*94*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1019970/3-A
Matrix: Solid
Analysis Batch: 1020061

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1019970

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.334		mg/Kg		100	54 - 136	1	30
Aroclor 1016			0.333	0.321		mg/Kg		96	54 - 136	1	30
Aroclor 1260			0.333	0.348		mg/Kg		104	53 - 145	1	30
Aroclor 1260			0.333	0.348		mg/Kg		104	53 - 145	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*98*		*20 - 150*
DCB Decachlorobiphenyl	*99*		*20 - 150*
Tetrachloro-m-xylene	*94*		*20 - 150*
Tetrachloro-m-xylene	*96*		*20 - 150*

Lab Sample ID: 160-57052-A-1-B MS
Matrix: Solid
Analysis Batch: 1020061

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1019970

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.079	U	0.396	0.392		mg/Kg	☼	99	54 - 136
Aroclor 1016	0.079	U	0.396	0.390		mg/Kg	☼	99	54 - 136
Aroclor 1260	0.079	U	0.396	0.422		mg/Kg	☼	107	53 - 145
Aroclor 1260	0.079	U	0.396	0.415		mg/Kg	☼	105	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*20 - 150*
DCB Decachlorobiphenyl	*109*		*20 - 150*
Tetrachloro-m-xylene	*65*		*20 - 150*
Tetrachloro-m-xylene	*70*		*20 - 150*

Lab Sample ID: 160-57052-A-1-C MSD
Matrix: Solid
Analysis Batch: 1020061

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1019970

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.079	U	0.395	0.388		mg/Kg	☼	98	54 - 136	1	30
Aroclor 1016	0.079	U	0.395	0.375		mg/Kg	☼	95	54 - 136	4	30
Aroclor 1260	0.079	U	0.395	0.399		mg/Kg	☼	101	53 - 145	6	30
Aroclor 1260	0.079	U	0.395	0.427		mg/Kg	☼	108	53 - 145	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*20 - 150*
DCB Decachlorobiphenyl	*115*		*20 - 150*
Tetrachloro-m-xylene	*69*		*20 - 150*
Tetrachloro-m-xylene	*75*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-643893/1-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		02/06/25 13:09	02/07/25 11:30	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-643893/1-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 643893

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		02/06/25 13:09	02/07/25 11:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		02/06/25 13:09	02/07/25 11:30	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*74.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C5 PFPeA	*75.9*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C5 PFHxA	*71.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C4 PFHpA	*78.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C8 PFOA	*72.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C9 PFNA	*75.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C6 PFDA	*80.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C7 PFUnA	*75.7*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C2 PFTeDA	*74.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C3 PFBS	*71.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C3 PFHxS	*73.4*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C8 PFOS	*81.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C8 FOSA	*79.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d3-NMeFOSAA	*78.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d5-NEtFOSAA	*97.1*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
M2-4:2 FTS	*77.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
M2-6:2 FTS	*82.8*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
M2-8:2 FTS	*78.3*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C3 HFPO-DA	*72.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d7-N-MeFOSE-M	*65.5*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d9-N-EtFOSE-M	*56.6*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d5-NEtPFOSA	*61.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
d3-NMePFOSA	*64.0*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*
13C2-PFDoDA	*72.2*		*20 - 150*	*02/06/25 13:09*	*02/07/25 11:30*	*1*

Lab Sample ID: LCS 240-643893/3-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.838		ug/Kg		109	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.504		ug/Kg		112	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.659		ug/Kg		106	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.706		ug/Kg		109	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.731		ug/Kg		111	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.722		ug/Kg		110	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.734		ug/Kg		111	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643893/3-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	1.56	1.700		ug/Kg		109	40 - 150
Perfluorododecanoic acid (PFDoA)	1.56	1.681		ug/Kg		108	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.806		ug/Kg		116	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.877		ug/Kg		120	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.462		ug/Kg		105	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.632		ug/Kg		111	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.449		ug/Kg		102	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.707		ug/Kg		115	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.630		ug/Kg		112	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.802		ug/Kg		120	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.731		ug/Kg		114	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.310		ug/Kg		108	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	6.379		ug/Kg		107	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.666		ug/Kg		111	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.793		ug/Kg		115	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.806		ug/Kg		116	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.871		ug/Kg		120	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.725		ug/Kg		110	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.529		ug/Kg		98	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	18.21		ug/Kg		117	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	17.53		ug/Kg		112	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.916		ug/Kg		111	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.862		ug/Kg		116	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.190		ug/Kg		102	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.450		ug/Kg		110	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	8.124		ug/Kg		139	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	8.156		ug/Kg		138	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	3.095		ug/Kg		111	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-643893/3-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	8.620		ug/Kg		110	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	43.65		ug/Kg		112	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	46.88		ug/Kg		120	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.842		ug/Kg		122	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.436		ug/Kg		110	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*65.2*		*20 - 150*
13C5 PFPeA	*73.0*		*20 - 150*
13C5 PFHxA	*66.5*		*20 - 150*
13C4 PFHpA	*71.7*		*20 - 150*
13C8 PFOA	*63.1*		*20 - 150*
13C9 PFNA	*67.1*		*20 - 150*
13C6 PFDA	*70.5*		*20 - 150*
13C7 PFUnA	*71.4*		*20 - 150*
13C2 PFTeDA	*65.2*		*20 - 150*
13C3 PFBS	*65.5*		*20 - 150*
13C3 PFHxS	*64.8*		*20 - 150*
13C8 PFOS	*71.2*		*20 - 150*
13C8 FOSA	*68.4*		*20 - 150*
d3-NMeFOSAA	*75.0*		*20 - 150*
d5-NEtFOSAA	*82.4*		*20 - 150*
M2-4:2 FTS	*71.4*		*20 - 150*
M2-6:2 FTS	*75.7*		*20 - 150*
M2-8:2 FTS	*73.1*		*20 - 150*
13C3 HFPO-DA	*67.6*		*20 - 150*
d7-N-MeFOSE-M	*50.8*		*20 - 150*
d9-N-EtFOSE-M	*47.9*		*20 - 150*
d5-NEtPFOSA	*54.1*		*20 - 150*
d3-NMePFOSA	*56.2*		*20 - 150*
13C2-PFDoDA	*68.7*		*20 - 150*

Lab Sample ID: LLCS 240-643893/2-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.576		ug/Kg		115	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.303		ug/Kg		121	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.143		ug/Kg		114	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.136		ug/Kg		109	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.161		ug/Kg		129	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.149		ug/Kg		119	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.154		ug/Kg		123	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643893/2-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.125	0.150		ug/Kg		120	40 - 150
Perfluorododecanoic acid (PFDoA)	0.125	0.148		ug/Kg		119	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.154		ug/Kg		123	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.152		ug/Kg		122	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.121	J	ug/Kg		109	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.142		ug/Kg		121	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.136		ug/Kg		120	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.145		ug/Kg		121	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.165		ug/Kg		142	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.140		ug/Kg		116	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.132		ug/Kg		109	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.522		ug/Kg		111	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.489	J	ug/Kg		103	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.575		ug/Kg		120	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.141		ug/Kg		113	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.157		ug/Kg		125	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.149		ug/Kg		119	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.147		ug/Kg		118	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.121	J	ug/Kg		97	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.525		ug/Kg		122	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.566		ug/Kg		125	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.594		ug/Kg		119	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.583		ug/Kg		123	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.280		ug/Kg		112	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.306		ug/Kg		122	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.669		ug/Kg		143	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.624		ug/Kg		132	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.273		ug/Kg		123	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-643893/2-A
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.744		ug/Kg		119	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.629		ug/Kg		116	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	3.978		ug/Kg		127	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.132		ug/Kg		110	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.311		ug/Kg		125	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*83.5*		*20 - 150*
13C5 PFPeA	*86.4*		*20 - 150*
13C5 PFHxA	*81.7*		*20 - 150*
13C4 PFHpA	*90.9*		*20 - 150*
13C8 PFOA	*77.8*		*20 - 150*
13C9 PFNA	*81.4*		*20 - 150*
13C6 PFDA	*84.1*		*20 - 150*
13C7 PFUnA	*82.6*		*20 - 150*
13C2 PFTeDA	*72.0*		*20 - 150*
13C3 PFBS	*81.5*		*20 - 150*
13C3 PFHxS	*81.4*		*20 - 150*
13C8 PFOS	*87.3*		*20 - 150*
13C8 FOSA	*81.8*		*20 - 150*
d3-NMeFOSAA	*84.8*		*20 - 150*
d5-NEtFOSAA	*92.6*		*20 - 150*
M2-4:2 FTS	*84.2*		*20 - 150*
M2-6:2 FTS	*103*		*20 - 150*
M2-8:2 FTS	*85.6*		*20 - 150*
13C3 HFPO-DA	*82.7*		*20 - 150*
d7-N-MeFOSE-M	*52.6*		*20 - 150*
d9-N-EtFOSE-M	*46.8*		*20 - 150*
d5-NEtPFOSA	*56.4*		*20 - 150*
d3-NMePFOSA	*61.2*		*20 - 150*
13C2-PFDoDA	*75.4*		*20 - 150*

Lab Sample ID: 460-319886-12 DU
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: 16I_5-10
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.55	U	0.56	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.042	J	0.0472	J	ug/Kg	☼	10	30
Perfluoroheptanoic acid (PFHpA)	0.042	J	0.0398	J	ug/Kg	☼	5	30
Perfluorooctanoic acid (PFOA)	0.044	J	0.0432	J	ug/Kg	☼	3	30
Perfluorononanoic acid (PFNA)	0.15		0.121	J	ug/Kg	☼	20	30
Perfluorodecanoic acid (PFDA)	0.11	J	0.110	J	ug/Kg	☼	3	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319886-12 DU
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: 16I_5-10
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	2.29		2.184		ug/Kg	☼	5	30
Perfluorododecanoic acid (PFDoA)	0.28		0.266		ug/Kg	☼	7	30
Perfluorotridecanoic acid (PFTrDA)	2.54		2.248		ug/Kg	☼	12	30
Perfluorotetradecanoic acid (PFTeDA)	0.069	J	0.0581	J	ug/Kg	☼	17	30
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.56	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.56	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.18	J	0.171	J	ug/Kg	☼	4	30
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.39	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.39	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.56	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.56	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.56	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.56	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-319886-12 DU
Matrix: Solid
Analysis Batch: 643957

Client Sample ID: 16I_5-10
Prep Type: Total/NA
Prep Batch: 643893

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U		0.70	U	ug/Kg	☼			NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.44	U		3.48	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.44	U		3.48	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.14	U		0.14	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U		0.28	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*96.0*		*20 - 150*
13C5 PFPeA	*101*		*20 - 150*
13C5 PFHxA	*92.4*		*20 - 150*
13C4 PFHpA	*99.1*		*20 - 150*
13C8 PFOA	*90.3*		*20 - 150*
13C9 PFNA	*93.5*		*20 - 150*
13C6 PFDA	*97.7*		*20 - 150*
13C7 PFUnA	*96.2*		*20 - 150*
13C2 PFTeDA	*79.2*		*20 - 150*
13C3 PFBS	*91.9*		*20 - 150*
13C3 PFHxS	*91.5*		*20 - 150*
13C8 PFOS	*99.5*		*20 - 150*
13C8 FOSA	*101*		*20 - 150*
d3-NMeFOSAA	*104*		*20 - 150*
d5-NEtFOSAA	*120*		*20 - 150*
M2-4:2 FTS	*104*		*20 - 150*
M2-6:2 FTS	*105*		*20 - 150*
M2-8:2 FTS	*99.6*		*20 - 150*
13C3 HFPO-DA	*92.5*		*20 - 150*
d7-N-MeFOSE-M	*67.8*		*20 - 150*
d9-N-EtFOSE-M	*60.9*		*20 - 150*
d5-NEtPFOSA	*84.0*		*20 - 150*
d3-NMePFOSA	*90.6*		*20 - 150*
13C2-PFDoDA	*89.1*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1020418/1-A
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Antimony	1.0	U	1.0	0.15	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Barium	2.0	U	2.0	0.15	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		02/10/25 06:14	02/11/25 13:10	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1020418/1-A
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	100	U	100	40.7	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Chromium	2.0	U	2.0	0.91	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Copper	2.0	U	2.0	0.37	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Iron	60.0	U	60.0	20.2	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Lead	0.60	U	0.60	0.20	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Magnesium	100	U	100	10.2	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Manganese	4.0	U	4.0	0.40	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Nickel	2.0	U	2.0	0.47	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Potassium	100	U	100	16.2	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Selenium	1.3	U	1.3	0.13	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Silver	0.40	U	0.40	0.089	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Sodium	100	U	100	45.7	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Thallium	0.40	U	0.40	0.041	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		02/10/25 06:14	02/11/25 13:10	1
Zinc	8.0	U	8.0	3.1	mg/Kg		02/10/25 06:14	02/11/25 13:10	1

Lab Sample ID: LCSSRM 460-1020418/2-A ^3
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	5940	5276		mg/Kg		88.8	46.1 - 153.9
Antimony	121	59.92		mg/Kg		49.5	0.1 - 200.8
Arsenic	242	222.0		mg/Kg		91.7	81.8 - 118.6
Barium	295	246.6		mg/Kg		83.6	81.7 - 118.3
Beryllium	160	134.0		mg/Kg		83.8	82.5 - 117.5
Cadmium	84.3	76.64		mg/Kg		90.9	82.2 - 117.8
Calcium	5270	4830		mg/Kg		91.7	82.5 - 117.5
Chromium	213	188.7		mg/Kg		88.6	81.2 - 119.2
Cobalt	137	129.0		mg/Kg		94.2	83.2 - 117.5
Copper	195	177.2		mg/Kg		90.9	83.1 - 116.9
Iron	6650	6040		mg/Kg		90.8	58.6 - 141.5
Lead	194	191.4		mg/Kg		98.6	82.0 - 118.6
Magnesium	1860	1730		mg/Kg		93.0	75.3 - 124.2
Manganese	264	240.2		mg/Kg		91.0	80.7 - 118.9
Nickel	298	278.6		mg/Kg		93.5	82.2 - 117.8

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1020418/2-A ^3
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	2010	1884		mg/Kg		93.7	70.6 - 129.4
Selenium	272	251.6		mg/Kg		92.5	80.1 - 119.5
Silver	76.7	70.53		mg/Kg		92.0	79.5 - 120.5
Sodium	406	389.6		mg/Kg		96.0	74.9 - 124.9
Thallium	108	101.5		mg/Kg		94.0	80.0 - 119.4
Vanadium	169	148.5		mg/Kg		87.9	78.1 - 122.5
Zinc	236	220.8		mg/Kg		93.6	80.1 - 120.3

Lab Sample ID: 460-319717-A-3-J MS
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	4130		540	4728	4	mg/Kg	☼	111	75 - 125
Antimony	1.1		5.40	3.81	N	mg/Kg	☼	50	75 - 125
Arsenic	21.1		10.8	28.45	N	mg/Kg	☼	68	75 - 125
Barium	146		10.8	127.9	4	mg/Kg	☼	-168	75 - 125
Beryllium	0.38	J	5.40	4.33	N	mg/Kg	☼	73	75 - 125
Cadmium	0.42	J	5.40	4.72		mg/Kg	☼	80	75 - 125
Calcium	1740		540	1728	N	mg/Kg	☼	-2	75 - 125
Chromium	6.0		10.8	14.97		mg/Kg	☼	83	75 - 125
Cobalt	3.1		5.40	7.11		mg/Kg	☼	75	75 - 125
Copper	16.8		10.8	22.45	N	mg/Kg	☼	52	75 - 125
Iron	4650		540	4852	4	mg/Kg	☼	37	75 - 125
Lead	113		5.40	114.6	4	mg/Kg	☼	37	75 - 125
Magnesium	422		540	879.3		mg/Kg	☼	85	75 - 125
Manganese	54.8		54.0	95.07		mg/Kg	☼	75	75 - 125
Nickel	5.9		10.8	15.01		mg/Kg	☼	84	75 - 125
Potassium	143		540	596.4		mg/Kg	☼	84	75 - 125
Selenium	0.61	J	10.8	9.46		mg/Kg	☼	82	75 - 125
Silver	0.43	U	5.40	4.47		mg/Kg	☼	83	75 - 125
Sodium	145		540	620.3		mg/Kg	☼	88	75 - 125
Thallium	0.11	J	4.32	3.64		mg/Kg	☼	82	75 - 125
Vanadium	8.7		10.8	17.23		mg/Kg	☼	79	75 - 125
Zinc	79.8		54.0	115.8	N	mg/Kg	☼	67	75 - 125

Lab Sample ID: 460-319717-A-3-K MSD
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum	4130		540	4693	4	mg/Kg	☼	105	75 - 125	1	20
Antimony	1.1		5.40	3.76	N	mg/Kg	☼	49	75 - 125	2	20
Arsenic	21.1		10.8	25.38	N	mg/Kg	☼	40	75 - 125	11	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-319717-A-3-K MSD
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	146		10.8	141.4	4	mg/Kg	☼	-44	75 - 125	10	20
Beryllium	0.38	J	5.40	4.18	N	mg/Kg	☼	70	75 - 125	4	20
Cadmium	0.42	J	5.40	4.57		mg/Kg	☼	77	75 - 125	3	20
Calcium	1740		540	1748	N	mg/Kg	☼	2	75 - 125	1	20
Chromium	6.0		10.8	14.52		mg/Kg	☼	79	75 - 125	3	20
Cobalt	3.1		5.40	7.60		mg/Kg	☼	84	75 - 125	7	20
Copper	16.8		10.8	22.12	N	mg/Kg	☼	49	75 - 125	1	20
Iron	4650		540	5106	4	mg/Kg	☼	84	75 - 125	5	20
Lead	113		5.40	115.9	4	mg/Kg	☼	61	75 - 125	1	20
Magnesium	422		540	851.0		mg/Kg	☼	80	75 - 125	3	20
Manganese	54.8		54.0	95.46		mg/Kg	☼	75	75 - 125	0	20
Nickel	5.9		10.8	15.25		mg/Kg	☼	86	75 - 125	2	20
Potassium	143		540	600.8		mg/Kg	☼	85	75 - 125	1	20
Selenium	0.61	J	10.8	9.16		mg/Kg	☼	79	75 - 125	3	20
Silver	0.43	U	5.40	4.39		mg/Kg	☼	81	75 - 125	2	20
Sodium	145		540	607.5		mg/Kg	☼	86	75 - 125	2	20
Thallium	0.11	J	4.32	3.63		mg/Kg	☼	82	75 - 125	0	20
Vanadium	8.7		10.8	17.51		mg/Kg	☼	81	75 - 125	2	20
Zinc	79.8		54.0	121.2		mg/Kg	☼	77	75 - 125	5	20

Lab Sample ID: 460-319717-A-3-I DU
Matrix: Solid
Analysis Batch: 1020726

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1020418

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	4130		4293		mg/Kg	☼	4	20
Antimony	1.1		1.07	J	mg/Kg	☼	4	20
Arsenic	21.1		23.07		mg/Kg	☼	9	20
Barium	146		132.1		mg/Kg	☼	10	20
Beryllium	0.38	J	0.369	J	mg/Kg	☼	4	20
Cadmium	0.42	J	0.383	J	mg/Kg	☼	10	20
Calcium	1740		1751		mg/Kg	☼	0.6	20
Chromium	6.0		6.58		mg/Kg	☼	10	20
Cobalt	3.1		3.16		mg/Kg	☼	3	20
Copper	16.8		15.19		mg/Kg	☼	10	20
Iron	4650		4526		mg/Kg	☼	3	20
Lead	113		124.1		mg/Kg	☼	10	20
Magnesium	422		426.5		mg/Kg	☼	1	20
Manganese	54.8		52.32		mg/Kg	☼	5	20
Nickel	5.9		6.58		mg/Kg	☼	10	20
Potassium	143		150.8		mg/Kg	☼	5	20
Selenium	0.61	J	0.511	J	mg/Kg	☼	17	20
Silver	0.43	U	0.43	U	mg/Kg	☼	NC	20
Sodium	145		217.3		mg/Kg	☼	40	20
Thallium	0.11	J	0.122	J	mg/Kg	☼	15	20
Vanadium	8.7		10.49		mg/Kg	☼	18	20
Zinc	79.8		80.53		mg/Kg	☼	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1020033/1-A
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1020033

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		02/07/25 01:21	02/07/25 05:16	1

Lab Sample ID: LCSSRM 460-1020033/2-A ^40
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1020033

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	23.80		mg/Kg		104.4	70.6 - 129.4

Lab Sample ID: 460-319837-B-1-F MS
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1020033

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.43		0.0819	0.532	4	mg/Kg	☼	125	80 - 120

Lab Sample ID: 460-319837-B-1-E DU
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1020033

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.43		0.444		mg/Kg	☼	3	20

Lab Sample ID: MB 460-1020034/1-A
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1020034

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		02/07/25 01:45	02/07/25 06:13	1

Lab Sample ID: LCSSRM 460-1020034/2-A ^40
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1020034

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	22.8	23.71		mg/Kg		104.0	70.6 - 129.4

Lab Sample ID: 460-319886-7 MS
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: 16G_0-10
Prep Type: Total/NA
Prep Batch: 1020034

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.025		0.0892	0.122		mg/Kg	☼	108	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-319886-7 DU
Matrix: Solid
Analysis Batch: 1020085

Client Sample ID: 16G_0-10
Prep Type: Total/NA
Prep Batch: 1020034

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.025			0.0274		mg/Kg	☼			10	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-319886-10 DU
Matrix: Solid
Analysis Batch: 1020359

Client Sample ID: 16H_10-20
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.3			7.1	*	%				26	20
Percent Solids	90.7			92.9		%				2	20

GC/MS VOA

Analysis Batch: 1020400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-13	TRIP BLANK	Total/NA	Water	8260D	
MB 460-1020400/9	Method Blank	Total/NA	Water	8260D	
LCS 460-1020400/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1020400/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Prep Batch: 1019811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	3546	
460-319886-2	16D_5-10	Total/NA	Solid	3546	
460-319886-3	16E_0-5	Total/NA	Solid	3546	
460-319886-4	16E_5-10	Total/NA	Solid	3546	
460-319886-5	16F_0-5	Total/NA	Solid	3546	
460-319886-6	16F_5-10	Total/NA	Solid	3546	
460-319886-7	16G_0-10	Total/NA	Solid	3546	
460-319886-8	16G_10-20	Total/NA	Solid	3546	
460-319886-9	16H_0-10	Total/NA	Solid	3546	
460-319886-10	16H_10-20	Total/NA	Solid	3546	
460-319886-11	16I_0-5	Total/NA	Solid	3546	
460-319886-12	16I_5-10	Total/NA	Solid	3546	
MB 460-1019811/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1019811/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1019811/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-319886-5 MS	16F_0-5	Total/NA	Solid	3546	
460-319886-5 MSD	16F_0-5	Total/NA	Solid	3546	

Analysis Batch: 1019954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	8270E	1019811
460-319886-2	16D_5-10	Total/NA	Solid	8270E	1019811
460-319886-3	16E_0-5	Total/NA	Solid	8270E	1019811
460-319886-4	16E_5-10	Total/NA	Solid	8270E	1019811
460-319886-5	16F_0-5	Total/NA	Solid	8270E	1019811
460-319886-6	16F_5-10	Total/NA	Solid	8270E	1019811
460-319886-7	16G_0-10	Total/NA	Solid	8270E	1019811
460-319886-8	16G_10-20	Total/NA	Solid	8270E	1019811
460-319886-9	16H_0-10	Total/NA	Solid	8270E	1019811
460-319886-10	16H_10-20	Total/NA	Solid	8270E	1019811
460-319886-11	16I_0-5	Total/NA	Solid	8270E	1019811
460-319886-12	16I_5-10	Total/NA	Solid	8270E	1019811
MB 460-1019811/1-A	Method Blank	Total/NA	Solid	8270E	1019811
LCS 460-1019811/2-A	Lab Control Sample	Total/NA	Solid	8270E	1019811
LCSD 460-1019811/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1019811
460-319886-5 MS	16F_0-5	Total/NA	Solid	8270E	1019811
460-319886-5 MSD	16F_0-5	Total/NA	Solid	8270E	1019811

GC Semi VOA

Prep Batch: 1019970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1019970 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-2	16D_5-10	Total/NA	Solid	3546	
460-319886-3	16E_0-5	Total/NA	Solid	3546	
460-319886-4	16E_5-10	Total/NA	Solid	3546	
460-319886-5	16F_0-5	Total/NA	Solid	3546	
460-319886-6	16F_5-10	Total/NA	Solid	3546	
460-319886-7	16G_0-10	Total/NA	Solid	3546	
460-319886-8	16G_10-20	Total/NA	Solid	3546	
460-319886-9	16H_0-10	Total/NA	Solid	3546	
460-319886-10	16H_10-20	Total/NA	Solid	3546	
460-319886-11	16I_0-5	Total/NA	Solid	3546	
460-319886-12	16I_5-10	Total/NA	Solid	3546	
MB 460-1019970/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1019970/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1019970/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
160-57052-A-1-B MS	Matrix Spike	Total/NA	Solid	3546	
160-57052-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1019983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	3546	
460-319886-2	16D_5-10	Total/NA	Solid	3546	
460-319886-3	16E_0-5	Total/NA	Solid	3546	
460-319886-4	16E_5-10	Total/NA	Solid	3546	
460-319886-5	16F_0-5	Total/NA	Solid	3546	
460-319886-6	16F_5-10	Total/NA	Solid	3546	
460-319886-7	16G_0-10	Total/NA	Solid	3546	
460-319886-8	16G_10-20	Total/NA	Solid	3546	
460-319886-9	16H_0-10	Total/NA	Solid	3546	
460-319886-10	16H_10-20	Total/NA	Solid	3546	
460-319886-11	16I_0-5	Total/NA	Solid	3546	
460-319886-12	16I_5-10	Total/NA	Solid	3546	
MB 460-1019983/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1019983/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1019983/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
160-57052-A-1-E MS	Matrix Spike	Total/NA	Solid	3546	
160-57052-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1020035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	8081B	1019983
460-319886-2	16D_5-10	Total/NA	Solid	8081B	1019983
460-319886-3	16E_0-5	Total/NA	Solid	8081B	1019983
460-319886-4	16E_5-10	Total/NA	Solid	8081B	1019983
460-319886-5	16F_0-5	Total/NA	Solid	8081B	1019983
460-319886-6	16F_5-10	Total/NA	Solid	8081B	1019983
460-319886-7	16G_0-10	Total/NA	Solid	8081B	1019983
460-319886-8	16G_10-20	Total/NA	Solid	8081B	1019983

Analysis Batch: 1020038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-9	16H_0-10	Total/NA	Solid	8081B	1019983

GC Semi VOA (Continued)

Analysis Batch: 1020038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-10	16H_10-20	Total/NA	Solid	8081B	1019983
460-319886-11	16I_0-5	Total/NA	Solid	8081B	1019983
460-319886-12	16I_5-10	Total/NA	Solid	8081B	1019983

Analysis Batch: 1020041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1019983/1-A	Method Blank	Total/NA	Solid	8081B	1019983
LCS 460-1019983/2-A	Lab Control Sample	Total/NA	Solid	8081B	1019983
LCSD 460-1019983/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1019983
160-57052-A-1-E MS	Matrix Spike	Total/NA	Solid	8081B	1019983
160-57052-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1019983

Analysis Batch: 1020061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	8082A	1019970
460-319886-2	16D_5-10	Total/NA	Solid	8082A	1019970
460-319886-3	16E_0-5	Total/NA	Solid	8082A	1019970
460-319886-4	16E_5-10	Total/NA	Solid	8082A	1019970
460-319886-5	16F_0-5	Total/NA	Solid	8082A	1019970
460-319886-6	16F_5-10	Total/NA	Solid	8082A	1019970
460-319886-7	16G_0-10	Total/NA	Solid	8082A	1019970
460-319886-8	16G_10-20	Total/NA	Solid	8082A	1019970
460-319886-9	16H_0-10	Total/NA	Solid	8082A	1019970
460-319886-10	16H_10-20	Total/NA	Solid	8082A	1019970
460-319886-11	16I_0-5	Total/NA	Solid	8082A	1019970
460-319886-12	16I_5-10	Total/NA	Solid	8082A	1019970
MB 460-1019970/1-A	Method Blank	Total/NA	Solid	8082A	1019970
LCS 460-1019970/2-A	Lab Control Sample	Total/NA	Solid	8082A	1019970
LCSD 460-1019970/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1019970
160-57052-A-1-B MS	Matrix Spike	Total/NA	Solid	8082A	1019970
160-57052-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1019970

LCMS

Prep Batch: 643893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	1633 Shake	
460-319886-2	16D_5-10	Total/NA	Solid	1633 Shake	
460-319886-3	16E_0-5	Total/NA	Solid	1633 Shake	
460-319886-4	16E_5-10	Total/NA	Solid	1633 Shake	
460-319886-5	16F_0-5	Total/NA	Solid	1633 Shake	
460-319886-6	16F_5-10	Total/NA	Solid	1633 Shake	
460-319886-7	16G_0-10	Total/NA	Solid	1633 Shake	
460-319886-8	16G_10-20	Total/NA	Solid	1633 Shake	
460-319886-9	16H_0-10	Total/NA	Solid	1633 Shake	
460-319886-10	16H_10-20	Total/NA	Solid	1633 Shake	
460-319886-11	16I_0-5	Total/NA	Solid	1633 Shake	
460-319886-12	16I_5-10	Total/NA	Solid	1633 Shake	
MB 240-643893/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-643893/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-643893/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 643893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-12 DU	16I_5-10	Total/NA	Solid	1633 Shake	

Analysis Batch: 643957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	1633	643893
460-319886-2	16D_5-10	Total/NA	Solid	1633	643893
460-319886-3	16E_0-5	Total/NA	Solid	1633	643893
460-319886-4	16E_5-10	Total/NA	Solid	1633	643893
460-319886-5	16F_0-5	Total/NA	Solid	1633	643893
460-319886-6	16F_5-10	Total/NA	Solid	1633	643893
460-319886-7	16G_0-10	Total/NA	Solid	1633	643893
460-319886-8	16G_10-20	Total/NA	Solid	1633	643893
460-319886-9	16H_0-10	Total/NA	Solid	1633	643893
460-319886-10	16H_10-20	Total/NA	Solid	1633	643893
460-319886-11	16I_0-5	Total/NA	Solid	1633	643893
460-319886-12	16I_5-10	Total/NA	Solid	1633	643893
MB 240-643893/1-A	Method Blank	Total/NA	Solid	1633	643893
LCS 240-643893/3-A	Lab Control Sample	Total/NA	Solid	1633	643893
LLCS 240-643893/2-A	Lab Control Sample	Total/NA	Solid	1633	643893
460-319886-12 DU	16I_5-10	Total/NA	Solid	1633	643893

Metals

Prep Batch: 1020033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	7471B	
460-319886-2	16D_5-10	Total/NA	Solid	7471B	
460-319886-3	16E_0-5	Total/NA	Solid	7471B	
460-319886-4	16E_5-10	Total/NA	Solid	7471B	
460-319886-5	16F_0-5	Total/NA	Solid	7471B	
460-319886-6	16F_5-10	Total/NA	Solid	7471B	
MB 460-1020033/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1020033/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-319837-B-1-F MS	Matrix Spike	Total/NA	Solid	7471B	
460-319837-B-1-E DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1020034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-7	16G_0-10	Total/NA	Solid	7471B	
460-319886-8	16G_10-20	Total/NA	Solid	7471B	
460-319886-9	16H_0-10	Total/NA	Solid	7471B	
460-319886-10	16H_10-20	Total/NA	Solid	7471B	
460-319886-11	16I_0-5	Total/NA	Solid	7471B	
460-319886-12	16I_5-10	Total/NA	Solid	7471B	
MB 460-1020034/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1020034/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-319886-7 MS	16G_0-10	Total/NA	Solid	7471B	
460-319886-7 DU	16G_0-10	Total/NA	Solid	7471B	

Metals

Analysis Batch: 1020085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	7471B	1020033
460-319886-2	16D_5-10	Total/NA	Solid	7471B	1020033
460-319886-3	16E_0-5	Total/NA	Solid	7471B	1020033
460-319886-4	16E_5-10	Total/NA	Solid	7471B	1020033
460-319886-5	16F_0-5	Total/NA	Solid	7471B	1020033
460-319886-6	16F_5-10	Total/NA	Solid	7471B	1020033
460-319886-7	16G_0-10	Total/NA	Solid	7471B	1020034
460-319886-8	16G_10-20	Total/NA	Solid	7471B	1020034
460-319886-9	16H_0-10	Total/NA	Solid	7471B	1020034
460-319886-10	16H_10-20	Total/NA	Solid	7471B	1020034
460-319886-11	16I_0-5	Total/NA	Solid	7471B	1020034
460-319886-12	16I_5-10	Total/NA	Solid	7471B	1020034
MB 460-1020033/1-A	Method Blank	Total/NA	Solid	7471B	1020033
MB 460-1020034/1-A	Method Blank	Total/NA	Solid	7471B	1020034
LCSSRM 460-1020033/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1020033
LCSSRM 460-1020034/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1020034
460-319837-B-1-F MS	Matrix Spike	Total/NA	Solid	7471B	1020033
460-319886-7 MS	16G_0-10	Total/NA	Solid	7471B	1020034
460-319837-B-1-E DU	Duplicate	Total/NA	Solid	7471B	1020033
460-319886-7 DU	16G_0-10	Total/NA	Solid	7471B	1020034

Prep Batch: 1020418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	3050B	
460-319886-2	16D_5-10	Total/NA	Solid	3050B	
460-319886-3	16E_0-5	Total/NA	Solid	3050B	
460-319886-4	16E_5-10	Total/NA	Solid	3050B	
460-319886-5	16F_0-5	Total/NA	Solid	3050B	
460-319886-6	16F_5-10	Total/NA	Solid	3050B	
460-319886-7	16G_0-10	Total/NA	Solid	3050B	
460-319886-8	16G_10-20	Total/NA	Solid	3050B	
460-319886-9	16H_0-10	Total/NA	Solid	3050B	
460-319886-10	16H_10-20	Total/NA	Solid	3050B	
460-319886-11	16I_0-5	Total/NA	Solid	3050B	
460-319886-12	16I_5-10	Total/NA	Solid	3050B	
MB 460-1020418/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1020418/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-319717-A-3-J MS	Matrix Spike	Total/NA	Solid	3050B	
460-319717-A-3-K MSD	Matrix Spike Duplicate	Total/NA	Solid	3050B	
460-319717-A-3-I DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1020726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	6020B	1020418
460-319886-2	16D_5-10	Total/NA	Solid	6020B	1020418
460-319886-3	16E_0-5	Total/NA	Solid	6020B	1020418
460-319886-4	16E_5-10	Total/NA	Solid	6020B	1020418
460-319886-5	16F_0-5	Total/NA	Solid	6020B	1020418
460-319886-6	16F_5-10	Total/NA	Solid	6020B	1020418
460-319886-7	16G_0-10	Total/NA	Solid	6020B	1020418
460-319886-8	16G_10-20	Total/NA	Solid	6020B	1020418

Metals (Continued)

Analysis Batch: 1020726 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-9	16H_0-10	Total/NA	Solid	6020B	1020418
460-319886-10	16H_10-20	Total/NA	Solid	6020B	1020418
460-319886-11	16I_0-5	Total/NA	Solid	6020B	1020418
460-319886-12	16I_5-10	Total/NA	Solid	6020B	1020418
MB 460-1020418/1-A	Method Blank	Total/NA	Solid	6020B	1020418
LCSSRM 460-1020418/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1020418
460-319717-A-3-J MS	Matrix Spike	Total/NA	Solid	6020B	1020418
460-319717-A-3-K MSD	Matrix Spike Duplicate	Total/NA	Solid	6020B	1020418
460-319717-A-3-I DU	Duplicate	Total/NA	Solid	6020B	1020418

Analysis Batch: 1020989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-11	16I_0-5	Total/NA	Solid	6020B	1020418
460-319886-12	16I_5-10	Total/NA	Solid	6020B	1020418

General Chemistry

Analysis Batch: 1020359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-319886-1	16D_0-5	Total/NA	Solid	Moisture	
460-319886-2	16D_5-10	Total/NA	Solid	Moisture	
460-319886-3	16E_0-5	Total/NA	Solid	Moisture	
460-319886-4	16E_5-10	Total/NA	Solid	Moisture	
460-319886-5	16F_0-5	Total/NA	Solid	Moisture	
460-319886-6	16F_5-10	Total/NA	Solid	Moisture	
460-319886-7	16G_0-10	Total/NA	Solid	Moisture	
460-319886-8	16G_10-20	Total/NA	Solid	Moisture	
460-319886-9	16H_0-10	Total/NA	Solid	Moisture	
460-319886-10	16H_10-20	Total/NA	Solid	Moisture	
460-319886-11	16I_0-5	Total/NA	Solid	Moisture	
460-319886-12	16I_5-10	Total/NA	Solid	Moisture	
460-319717-A-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-319717-A-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-319886-10 DU	16H_10-20	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16D_0-5
Date Collected: 02/03/25 16:00
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-1
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 18:29
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 03:19
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 10:16
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 13:10
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:41
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 05:59

Client Sample ID: 16D_5-10
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16D_5-10
Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-2
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 18:50
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 03:32
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 10:33
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 13:26
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:43
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:00

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16E_0-5
Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16E_0-5
Date Collected: 02/03/25 15:10
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-3
Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 19:12
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 03:44
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 10:49
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 13:43
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:46
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:02

Client Sample ID: 16E_5-10
Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16E_5-10
Date Collected: 02/03/25 15:04
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-4
Matrix: Solid
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 19:34
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 03:56
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 11:06
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 14:00
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:49
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:04

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16F_0-5
Date Collected: 02/03/25 15:20
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-5
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 16:19
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 04:09
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 11:23
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 14:16
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:51
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:06

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16F_5-10
Date Collected: 02/03/25 15:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-6
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 20:17
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 04:21
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 11:39
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 14:33
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:54
Total/NA	Prep	7471B			1020033	TJS	EET EDI	02/07/25 01:21
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:07

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16G_0-10
Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16G_0-10
Date Collected: 02/03/25 13:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-7
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 20:38
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 04:33
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 11:56
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 14:49
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:56
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:16

Client Sample ID: 16G_10-20
Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16G_10-20
Date Collected: 02/03/25 13:50
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-8
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 21:00
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020035	FAM	EET EDI	02/07/25 04:46
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 12:13
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 15:06
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 13:59
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:24

Client Sample ID: 16H_0-10
Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16H_0-10
Date Collected: 02/03/25 12:45
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-9
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 21:22
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020038	FAM	EET EDI	02/07/25 06:12
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 12:29
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 15:23
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 14:01
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:26

Client Sample ID: 16H_10-20
Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16H_10-20
Date Collected: 02/03/25 12:55
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-10
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 17:24
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020038	FAM	EET EDI	02/07/25 06:25
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 12:46
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 15:39
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 14:04
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:27

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16I_0-5
Date Collected: 02/03/25 11:25
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-11
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 17:46
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020038	FAM	EET EDI	02/07/25 06:38
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 13:03
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 16:29
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020989	VAD	EET EDI	02/13/25 00:24
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 14:27
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:29

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1020359	CJC	EET EDI	02/09/25 09:50

Client Sample ID: 16I_5-10
Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1019811	GXY	EET EDI	02/05/25 20:02
Total/NA	Analysis	8270E		1	1019954	MDJ	EET EDI	02/06/25 18:07
Total/NA	Prep	3546			1019983	ARA	EET EDI	02/06/25 15:55
Total/NA	Analysis	8081B		1	1020038	FAM	EET EDI	02/07/25 06:51
Total/NA	Prep	3546			1019970	ARA	EET EDI	02/06/25 15:33
Total/NA	Analysis	8082A		1	1020061	AAA	EET EDI	02/07/25 13:19
Total/NA	Prep	1633 Shake			643893	KML	EET CLE	02/06/25 13:09
Total/NA	Analysis	1633		1	643957	LD	EET CLE	02/07/25 16:46
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020989	VAD	EET EDI	02/13/25 00:27

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Client Sample ID: 16I_5-10

Date Collected: 02/03/25 11:30
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-12

Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			1020418	FBT	EET EDI	02/10/25 06:14
Total/NA	Analysis	6020B		1	1020726	JKF	EET EDI	02/11/25 14:29
Total/NA	Prep	7471B			1020034	TJS	EET EDI	02/07/25 01:45
Total/NA	Analysis	7471B		1	1020085	TJS	EET EDI	02/07/25 06:35

Client Sample ID: TRIP BLANK

Date Collected: 02/03/25 16:05
Date Received: 02/04/25 17:30

Lab Sample ID: 460-319886-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1020400	CJM	EET EDI	02/10/25 09:39

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	Total BTEX
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-319886-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-319886-1	16D_0-5	Solid	02/03/25 16:00	02/04/25 17:30
460-319886-2	16D_5-10	Solid	02/03/25 16:05	02/04/25 17:30
460-319886-3	16E_0-5	Solid	02/03/25 15:10	02/04/25 17:30
460-319886-4	16E_5-10	Solid	02/03/25 15:04	02/04/25 17:30
460-319886-5	16F_0-5	Solid	02/03/25 15:20	02/04/25 17:30
460-319886-6	16F_5-10	Solid	02/03/25 15:25	02/04/25 17:30
460-319886-7	16G_0-10	Solid	02/03/25 13:45	02/04/25 17:30
460-319886-8	16G_10-20	Solid	02/03/25 13:50	02/04/25 17:30
460-319886-9	16H_0-10	Solid	02/03/25 12:45	02/04/25 17:30
460-319886-10	16H_10-20	Solid	02/03/25 12:55	02/04/25 17:30
460-319886-11	16I_0-5	Solid	02/03/25 11:25	02/04/25 17:30
460-319886-12	16I_5-10	Solid	02/03/25 11:30	02/04/25 17:30
460-319886-13	TRIP BLANK	Water	02/03/25 16:05	02/04/25 17:30

Chain of Custody Record

684140 eurofins | Environment Testing America

Address: _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Kevin Bell	Site Contact:	Date:	COC No:
Company Name: HRA of NY	Tel/Email: kbell@haleyaldrich.com	Lab Contact:	Carrier:	____ of ____ COCs
Address: 213 W 35th Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone: scommiss1@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax: mbarland@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name: Former Port Mob 1	☒ 1 week			Job / SDG No.: 319886
Site: 4101 Arthur Kill Road	☐ 2 days			
P O # 020438?-001 001-00	☐ 1 day			

460-319886 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL SVOCs	TAL Metals	PCBs	Pesticides	PFAS	Sample Specific Notes:
16D_0-5	2/3/25	1600	C	Soil	2			X	X	X	X	X	1
16D_5-10		1605											2
16E_0-5		1510											3
16E_5-10		1504											4
16F_0-5		1520											5
16F_5-10		1525											6
16G_0-10		1345											7
16G_10-20		1350											8
16H_0-10		1245											9
16H_10-20		1255											10
16I_0-5		1125											11
16I_5-10		1130											12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd. _____ Corr'd. _____		Therm ID No.: _____
Relinquished by: [signature]	Company: HRA	Date/Time: 2/4/25	Received by: [signature]	Company: ECT	Date/Time: 2/4 1615
Relinquished by: [signature]	Company: ECT	Date/Time: 2/4/25 1720	Received by: [signature]	Company: ETA	Date/Time: 2/4 1730
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

MOS 1645 1-1 / 0 02/04 01/03

2/14/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 319886

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.7 °C	1.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	3.2 °C	3.4 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	0.1 °C	0.3 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038 Rev 4.1
10/22/2019

Initials: _____ Date: 2/4/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73300.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319886-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 2/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
16D_0-5 (460-319886-1)	2/3/25	16:00 Eastern	G	Solid			X	1	
16D_5-10 (460-319886-2)	2/3/25	16:05 Eastern	G	Solid			X	1	
16E_0-5 (460-319886-3)	2/3/25	15:10 Eastern	G	Solid			X	1	
16E_5-10 (460-319886-4)	2/3/25	15:04 Eastern	G	Solid			X	1	
16F_0-5 (460-319886-5)	2/3/25	15:20 Eastern	G	Solid			X	1	
16F_5-10 (460-319886-6)	2/3/25	15:25 Eastern	G	Solid			X	1	
16G_0-10 (460-319886-7)	2/3/25	13:45 Eastern	G	Solid			X	1	
16G_10-20 (460-319886-8)	2/3/25	13:50 Eastern	G	Solid			X	1	
16H_0-10 (460-319886-9)	2/3/25	12:45 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		2/5/25 1900	EST		2/6/25 945	Euro
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73300.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-319886-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 2/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
16H_10-20 (460-319886-10)	2/3/25	12:55 Eastern	G	Solid			X	1	
16I_0-5 (460-319886-11)	2/3/25	11.25 Eastern	G	Solid			X	1	
16I_5-10 (460-319886-12)	2/3/25	11 30 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return Tc Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 2/5/25 1900	Company ETNE	Received by:	Date/Time: 2/6/25 945	Company ENE
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Interstate Edison Site Name

Cooler Received on 2/6/25 Opened on 2/6/25

Cooler unpacked by: JF

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # 8 Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # 13 (CF +0 °C) Observed Cooler Temp. 3.2 °C Corrected Cooler Temp. 3.2 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	Yes	No (NA)
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?	(Y)	N
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12 Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s):

VOA Sample Preservation - Date/Time VOAs Frozen.

Part # 159469-434 MTW Exp 04/26

ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 05FEB25
ACTWGT: 44.35 LB
CAD: 0619092/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203
(330) 497-9396
REF: 8450-191205
PO: YES

FedEx Express

J243024070401uv

THU - 06 FEB 10:30A
PRIORITY OVERNIGHT

TRK# 0201 4320 1504 0194

NX CAKA

44203
OH-US CLE

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-319886-1

Login Number: 319886
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received Trip Blank(s) not listed on COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Suzanne Bell
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 2/26/2025 2:06:17 PM Revision 2

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-320634-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
2/26/2025 2:06:17 PM
Revision 2

Authorized for release by
Elizabeth Flannery, Project Manager I
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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an estimated value.
N	This flag indicates the presumptive evidence of a compound.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Former Port Mobil

Report Number: 460-320634-1
Revision

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

REVISION

The report being provided is a revision of the original report sent on 2/24/2025. The report (revision 1) is being revised due to Revising report/EDDs to correct VOC reporting list.

RECEIPT
The samples were received on 2/17/2025 4:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Receipt Exceptions
The following samples had their IDs corrected at the client's request: 12F1_8-9 (460-320634-25), 12I3_11-12 (460-320634-36) and 12I3_10-11 (460-320634-37)

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples 12B2_4-5 (460-320634-1), 12B2_1-2 (460-320634-2), 12B3_1-2 (460-320634-3), 12B3_5-6 (460-320634-4), 12B3_9-10 (460-320634-5), 12C1_9-10 (460-320634-6), 12C2_9-10 (460-320634-7), 12C2_8-9 (460-320634-8), 12C2_1-2 (460-320634-9), 12C3_2-3 (460-320634-10), 12D1_3-4 (460-320634-11), 12D2_2-3 (460-320634-12), 12D2_9-10 (460-320634-13), 12D3_5-6 (460-320634-14), 12D3_9-10 (460-320634-15), 12E3_8-9 (460-320634-16), 12E_9-10 (460-320634-17), 12E1_1-2 (460-320634-18), 12E1_6-7 (460-320634-19), 12E1_8-9 (460-320634-20), 12F3_1-2 (460-320634-21), 12F2_9-2 (460-320634-22), 12F1_2-3 (460-320634-23), 12F1_9-10 (460-320634-24), 12F1_8-9 (460-320634-25), 12G3_1-2 (460-320634-26), 12G3_8-9 (460-320634-27), 12G3_9-10 (460-320634-28), 12G2_9-10 (460-320634-29), 12G1_9-10 (460-320634-30), 12H3_1-2 (460-320634-31), 12H3_9-10 (460-320634-32), 12H3_8-9 (460-320634-33), 12H2_9-10 (460-320634-34), 12H1_8-9 (460-320634-35), 12I3_11-12 (460-320634-36), 12I3_10-11 (460-320634-37), 12I1_3-4 (460-320634-38), 12I1_6-7 (460-320634-39), 12I2_9-10 (460-320634-40), 12J2_9-10 (460-320634-41), 12J2_6-7 (460-320634-42), 12J1_1-2 (460-320634-43), 12J1_4-5 (460-320634-44), 16I2_5-6 (460-320634-45), 16F1_9-10 (460-320634-46), 12A1_1-2 (460-320634-47), 12A2_1-2 (460-320634-48), 12A3_1-2 (460-320634-49), 12A3_5-6 (460-320634-50), 12A2_9-10 (460-320634-51) and 12J3_11-12 (460-320634-53) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 02/18/2025 and analyzed on 02/21/2025, 02/22/2025, 02/23/2025 and 02/24/2025.

The continuing calibration verification (CCV) associated with batch 460-1022652 recovered above the upper control limit for

Bromomethane and Chloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1022286 recovered above the upper control limit for Dichlorodifluoromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1022579 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1022652 recovered outside control limits for the following analytes: Bromomethane and Chloroethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1022347 recovered outside control limits for the following analyte: Methyl acetate. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1022579 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane and Bromomethane (biased high) and 1,2-Dibromo-3-Chloropropane (biased low). These analytes were not detected in the associated samples; therefore, the data have been reported.

Elevated reporting limits are provided for the following sample due to insufficient sample provided for low level analysis: 12I1_3-4 (460-320634-38).

Internal standard (ISTD) response for 1,4-Dioxane-d8 for the following sample in analytical batch 460-1022461 was outside acceptance criteria: 12H3_8-9 (460-320634-33). This ISTD does not correspond to any of the requested target compounds reported from this analytical batch; therefore, the data have been reported.

1,1,2-Trichloro-1,2,2-trifluoroethane, Bromomethane and Vinyl chloride failed the recovery criteria high for LCS 460-1022579/3. Bromomethane and Chloroethane failed the recovery criteria high for LCS 460-1022652/4. Methyl acetate failed the recovery criteria high for LCSD 460-1022347/4. 1,2-Dibromo-3-Chloropropane failed the recovery criteria low for LCSD 460-1022579/4. Bromomethane failed the recovery criteria high. Bromomethane and Chloroethane failed the recovery criteria high for LCSD 460-1022652/5. Refer to the QC report for details.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Sample TB-01_20250217 (460-320634-52) was analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 02/20/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1022117 was outside the method criteria for the following analytes: Chloromethane (biased low). The minimum response factor for Bromomethane was below required control limit. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Bromomethane failed the recovery criteria low for the MS of sample 460-320491-1 in batch 460-1022117.

Bromomethane exceeded the RPD limit for the MSD of sample 460-320491-1 in batch 460-1022117.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Job ID: 460-320634-1 (Continued)

Samples 12B2_4-5 (460-320634-1), 12B2_1-2 (460-320634-2), 12B3_1-2 (460-320634-3), 12B3_5-6 (460-320634-4), 12B3_9-10 (460-320634-5), 12C1_9-10 (460-320634-6), 12C2_9-10 (460-320634-7), 12C2_8-9 (460-320634-8), 12C2_1-2 (460-320634-9), 12C3_2-3 (460-320634-10), 12D1_3-4 (460-320634-11), 12D2_2-3 (460-320634-12), 12D2_9-10 (460-320634-13), 12D3_5-6 (460-320634-14), 12D3_9-10 (460-320634-15), 12E3_8-9 (460-320634-16), 12E_9-10 (460-320634-17), 12E1_1-2 (460-320634-18), 12E1_6-7 (460-320634-19), 12E1_8-9 (460-320634-20), 12F3_1-2 (460-320634-21), 12F2_9-2 (460-320634-22), 12F1_2-3 (460-320634-23), 12F1_9-10 (460-320634-24), 12F1_8-9 (460-320634-25), 12G3_1-2 (460-320634-26), 12G3_8-9 (460-320634-27), 12G3_9-10 (460-320634-28), 12G2_9-10 (460-320634-29), 12G1_9-10 (460-320634-30), 12H3_1-2 (460-320634-31), 12H3_9-10 (460-320634-32), 12H3_8-9 (460-320634-33), 12H2_9-10 (460-320634-34), 12H1_8-9 (460-320634-35), 12I3_11-12 (460-320634-36), 12I3_10-11 (460-320634-37), 12I1_3-4 (460-320634-38), 12I1_6-7 (460-320634-39), 12I2_9-10 (460-320634-40), 12J2_9-10 (460-320634-41), 12J2_6-7 (460-320634-42), 12J1_1-2 (460-320634-43), 12J1_4-5 (460-320634-44), 16I2_5-6 (460-320634-45), 16F1_9-10 (460-320634-46), 12A1_1-2 (460-320634-47), 12A2_1-2 (460-320634-48), 12A3_1-2 (460-320634-49), 12A3_5-6 (460-320634-50), 12A2_9-10 (460-320634-51) and 12J3_11-12 (460-320634-53) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 02/18/2025.

Percent Moisture exceeded the RPD limit for the duplicate of sample 12F3_1-2DU (460-320634-21). Percent Moisture exceeded the RPD limit for the duplicate of sample 12G3_1-2DU (460-320634-26). Percent Moisture exceeded the RPD limit for the duplicate of sample 12G1_9-10DU (460-320634-30). Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12B2_4-5 — Lab Sample ID: 460-320634-1

No Detections.

Client Sample ID: 12B2_1-2 — Lab Sample ID: 460-320634-2

No Detections.

Client Sample ID: 12B3_1-2 — Lab Sample ID: 460-320634-3

No Detections.

Client Sample ID: 12B3_5-6 — Lab Sample ID: 460-320634-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0046		0.0038	0.00028	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.021		0.0045	0.0043	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12B3_9-10 — Lab Sample ID: 460-320634-5

No Detections.

Client Sample ID: 12C1_9-10 — Lab Sample ID: 460-320634-6

No Detections.

Client Sample ID: 12C2_9-10 — Lab Sample ID: 460-320634-7

No Detections.

Client Sample ID: 12C2_8-9 — Lab Sample ID: 460-320634-8

No Detections.

Client Sample ID: 12C2_1-2 — Lab Sample ID: 460-320634-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0012	J	0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12C3_2-3 — Lab Sample ID: 460-320634-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0070		0.0060	0.00044	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.032		0.0073	0.0069	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00040	J	0.0012	0.00021	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00040	J	0.0024	0.00021	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12D1_3-4 — Lab Sample ID: 460-320634-11

No Detections.

Client Sample ID: 12D2_2-3 — Lab Sample ID: 460-320634-12

No Detections.

Client Sample ID: 12D2_9-10 — Lab Sample ID: 460-320634-13

No Detections.

Client Sample ID: 12D3_5-6 — Lab Sample ID: 460-320634-14

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12D3_9-10 — Lab Sample ID: 460-320634-15

No Detections.

Client Sample ID: 12E3_8-9 — Lab Sample ID: 460-320634-16

No Detections.

Client Sample ID: 12E_9-10 — Lab Sample ID: 460-320634-17

No Detections.

Client Sample ID: 12E1_1-2 — Lab Sample ID: 460-320634-18

No Detections.

Client Sample ID: 12E1_6-7 — Lab Sample ID: 460-320634-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.022		0.0054	0.0051	mg/Kg	1	☼	8260D	Total/NA
Benzene	0.0012		0.00090	0.00023	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.0014	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12E1_8-9 — Lab Sample ID: 460-320634-20

No Detections.

Client Sample ID: 12F3_1-2 — Lab Sample ID: 460-320634-21

No Detections.

Client Sample ID: 12F2_9-2 — Lab Sample ID: 460-320634-22

No Detections.

Client Sample ID: 12F1_2-3 — Lab Sample ID: 460-320634-23

No Detections.

Client Sample ID: 12F1_9-10 — Lab Sample ID: 460-320634-24

No Detections.

Client Sample ID: 12F1_8-9 — Lab Sample ID: 460-320634-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0021	J	0.0022	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G3_1-2 — Lab Sample ID: 460-320634-26

No Detections.

Client Sample ID: 12G3_8-9 — Lab Sample ID: 460-320634-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0011	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12G3_9-10 — Lab Sample ID: 460-320634-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0038	J	0.0039	0.00029	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.026		0.0047	0.0045	mg/Kg	1	☼	8260D	Total/NA
Methylene Chloride	0.00098	J	0.0016	0.00089	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12G2_9-10 — Lab Sample ID: 460-320634-29

No Detections.

Client Sample ID: 12G1_9-10 — Lab Sample ID: 460-320634-30

No Detections.

Client Sample ID: 12H3_1-2 — Lab Sample ID: 460-320634-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0020	J	0.0070	0.00052	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.031		0.0085	0.0081	mg/Kg	1	☼	8260D	Total/NA
Methyl acetate	0.015		0.0070	0.0061	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H3_9-10 — Lab Sample ID: 460-320634-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0011	J	0.0017	0.00097	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H3_8-9 — Lab Sample ID: 460-320634-33

No Detections.

Client Sample ID: 12H2_9-10 — Lab Sample ID: 460-320634-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.017		0.0050	0.00037	mg/Kg	1	☼	8260D	Total/NA
Acetone	0.092		0.0060	0.0057	mg/Kg	1	☼	8260D	Total/NA
Carbon disulfide	0.00034	J	0.00099	0.00026	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00034	J	0.00099	0.00017	mg/Kg	1	☼	8260D	Total/NA
Xylenes, Total	0.00034	J	0.0020	0.00017	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12H1_8-9 — Lab Sample ID: 460-320634-35

No Detections.

Client Sample ID: 12I3_11-12 — Lab Sample ID: 460-320634-36

No Detections.

Client Sample ID: 12I3_10-11 — Lab Sample ID: 460-320634-37

No Detections.

Client Sample ID: 12I1_3-4 — Lab Sample ID: 460-320634-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.025	J	0.12	0.024	mg/Kg	50	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.061	J	0.12	0.033	mg/Kg	50	☼	8260D	Total/NA
Toluene	0.14		0.12	0.029	mg/Kg	50	☼	8260D	Total/NA
Xylenes, Total	0.061	J	0.23	0.033	mg/Kg	50	☼	8260D	Total/NA

Client Sample ID: 12I1_6-7 — Lab Sample ID: 460-320634-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0019	J	0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12I2_9-10 — Lab Sample ID: 460-320634-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0010	J	0.0015	0.00084	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12J2_9-10 — Lab Sample ID: 460-320634-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0016	J	0.0051	0.00038	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12J2_6-7 — Lab Sample ID: 460-320634-42

No Detections.

Client Sample ID: 12J1_1-2 — Lab Sample ID: 460-320634-43

No Detections.

Client Sample ID: 12J1_4-5 — Lab Sample ID: 460-320634-44

No Detections.

Client Sample ID: 16I2_5-6 — Lab Sample ID: 460-320634-45

No Detections.

Client Sample ID: 16F1_9-10 — Lab Sample ID: 460-320634-46

No Detections.

Client Sample ID: 12A1_1-2 — Lab Sample ID: 460-320634-47

No Detections.

Client Sample ID: 12A2_1-2 — Lab Sample ID: 460-320634-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0020	J	0.0028	0.0016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A3_1-2 — Lab Sample ID: 460-320634-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0017	J	0.0025	0.0014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A3_5-6 — Lab Sample ID: 460-320634-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.0019		0.0011	0.00031	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 12A2_9-10 — Lab Sample ID: 460-320634-51

No Detections.

Client Sample ID: TB-01_20250217 — Lab Sample ID: 460-320634-52

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	1.2		1.0	0.32	ug/L	1		8260D	Total/NA

Client Sample ID: 12J3_11-12 — Lab Sample ID: 460-320634-53

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12B2_4-5
Date Collected: 02/17/25 07:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-1
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
2-Hexanone	0.0060	U	0.0060	0.0021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Acrolein	0.12	U	0.12	0.034	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Acrylonitrile	0.012	U	0.012	0.0058	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Methyl acetate	0.0060	U	0.0060	0.0052	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1

Client Sample ID: 12B2_4-5

Date Collected: 02/17/25 07:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-1

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
TBA	0.012	U	0.012	0.0094	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:02*	*02/21/25 12:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*02/18/25 18:02*	*02/21/25 12:31*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:02*	*02/21/25 12:31*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*02/18/25 18:02*	*02/21/25 12:31*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:02*	*02/21/25 12:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**89.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12B2_1-2

Date Collected: 02/17/25 07:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-2

Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00018	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2-Dibromo-3-Chloropropane	0.00087	U	0.00087	0.00040	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12B2_1-2
Date Collected: 02/17/25 07:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-2
Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Acrolein	0.087	U	0.087	0.024	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Acrylonitrile	0.0087	U	0.0087	0.0042	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Benzene	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chlorobenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chlorobromomethane	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chlorodibromomethane	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chloroethane	0.00087	U	0.00087	0.00046	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chloroform	0.00087	U	0.00087	0.00085	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00030	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Ethylbenzene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Ethylene Dibromide	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00045	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Methylcyclohexane	0.00087	U	0.00087	0.00044	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Methylene Chloride	0.0017	U	0.0017	0.0010	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
n-Butylbenzene	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
N-Propylbenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
o-Xylene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
TBA	0.0087	U	0.0087	0.0069	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Tetrachloroethene	0.00087	U	0.00087	0.00027	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Vinyl chloride	0.00087	U	0.00087	0.00048	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/18/25 18:02	02/21/25 12:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:02*	*02/21/25 12:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*02/18/25 18:02*	*02/21/25 12:56*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:02*	*02/21/25 12:56*	*1*

Client Sample ID: 12B2_1-2

Lab Sample ID: 460-320634-2

Date Collected: 02/17/25 07:55
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 95.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*02/18/25 18:02*	*02/21/25 12:56*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/18/25 18:02*	*02/21/25 12:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**95.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12B3_1-2

Lab Sample ID: 460-320634-3

Date Collected: 02/17/25 08:00
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00020	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00032	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2,4-Trimethylbenzene	0.00091	U	0.00091	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00038	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00028	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00020	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Acrolein	0.091	U	0.091	0.025	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Acrylonitrile	0.0091	U	0.0091	0.0044	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Benzene	0.00091	U	0.00091	0.00023	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Bromoform	0.00091	U	0.00091	0.00038	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chlorobenzene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chlorobromomethane	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chlorodibromomethane	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chloroethane	0.00091	U	0.00091	0.00047	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chloroform	0.00091	U	0.00091	0.00088	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Chloromethane	0.00091	U	0.00091	0.00039	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00032	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1

Client Sample ID: 12B3_1-2

Date Collected: 02/17/25 08:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-3

Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Ethylbenzene	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Ethylene Dibromide	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00046	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Methylcyclohexane	0.00091	U	0.00091	0.00045	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
N-Propylbenzene	0.00091	U	0.00091	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
o-Xylene	0.00091	U	0.00091	0.00018	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
sec-Butylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
TBA	0.0091	U	0.0091	0.0071	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
tert-Butylbenzene	0.00091	U	0.00091	0.00025	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
trans-1,3-Dichloropropene	0.00091	U	0.00091	0.00024	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Vinyl chloride	0.00091	U	0.00091	0.00049	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 09:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:03*	*02/22/25 09:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:03*	*02/22/25 09:18*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:03*	*02/22/25 09:18*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:03*	*02/22/25 09:18*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:03*	*02/22/25 09:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.0**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**95.0**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12B3_5-6

Date Collected: 02/17/25 08:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-4

Matrix: Solid
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00076	U	0.00076	0.00018	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,1,2,2-Tetrachloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,1,2-Trichloroethane	0.00076	U	0.00076	0.00013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,1-Dichloroethane	0.00076	U	0.00076	0.00016	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1

Client Sample ID: 12B3_5-6
Date Collected: 02/17/25 08:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-4
Matrix: Solid
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00076	U	0.00076	0.00017	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2,3-Trichlorobenzene	0.00076	U	0.00076	0.00014	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2,4-Trichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2,4-Trimethylbenzene	0.00076	U	0.00076	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2-Dibromo-3-Chloropropane	0.00076	U	0.00076	0.00035	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2-Dichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2-Dichloroethane	0.00076	U	0.00076	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,2-Dichloropropane	0.00076	U	0.00076	0.00032	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,3,5-Trimethylbenzene	0.00076	U	0.00076	0.00024	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,3-Dichlorobenzene	0.00076	U	0.00076	0.00028	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
1,4-Dichlorobenzene	0.00076	U	0.00076	0.00017	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
2-Butanone (MEK)	**0.0046**		0.0038	0.00028	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Acetone	**0.021**		0.0045	0.0043	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Acrolein	0.076	U	0.076	0.021	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Acrylonitrile	0.0076	U	0.0076	0.0037	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Benzene	0.00076	U	0.00076	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Bromoform	0.00076	U	0.00076	0.00032	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Bromomethane	0.0015	U	0.0015	0.00076	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Carbon disulfide	0.00076	U	0.00076	0.00020	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Carbon tetrachloride	0.00076	U	0.00076	0.00029	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chlorobenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chlorobromomethane	0.00076	U	0.00076	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chlorodibromomethane	0.00076	U	0.00076	0.00015	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chloroethane	0.00076	U	0.00076	0.00039	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chloroform	0.00076	U	0.00076	0.00073	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Chloromethane	0.00076	U	0.00076	0.00033	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
cis-1,2-Dichloroethene	0.00076	U	0.00076	0.00027	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
cis-1,3-Dichloropropene	0.00076	U	0.00076	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Cyclohexane	0.00076	U	0.00076	0.00017	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Dichlorobromomethane	0.00076	U	0.00076	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Dichlorodifluoromethane	0.00076	U	0.00076	0.00026	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Ethylbenzene	0.00076	U	0.00076	0.00015	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Ethylene Dibromide	0.00076	U	0.00076	0.00014	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Isopropylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Methyl acetate	0.0038	U	0.0038	0.0032	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Methyl tert-butyl ether	0.00076	U	0.00076	0.00039	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Methylcyclohexane	0.00076	U	0.00076	0.00038	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Methylene Chloride	0.0015	U	0.0015	0.00087	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
m-Xylene & p-Xylene	0.00076	U	0.00076	0.00013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
n-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
N-Propylbenzene	0.00076	U	0.00076	0.00013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
o-Xylene	0.00076	U	0.00076	0.00015	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
sec-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Styrene	0.00076	U	0.00076	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
TBA	0.0076	U	0.0076	0.0059	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
tert-Butylbenzene	0.00076	U	0.00076	0.00021	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Tetrachloroethene	0.00076	U	0.00076	0.00023	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1

Client Sample ID: 12B3_5-6

Lab Sample ID: 460-320634-4

Date Collected: 02/17/25 08:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.00076	U	0.00076	0.00018	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
trans-1,2-Dichloroethene	0.00076	U	0.00076	0.00019	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
trans-1,3-Dichloropropene	0.00076	U	0.00076	0.00020	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Trichloroethene	0.00076	U	0.00076	0.00024	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Trichlorofluoromethane	0.00076	U	0.00076	0.00031	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Vinyl chloride	0.00076	U	0.00076	0.00041	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	02/18/25 18:03	02/22/25 08:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:03*	*02/22/25 08:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:03*	*02/22/25 08:28*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:03*	*02/22/25 08:28*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:03*	*02/22/25 08:28*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:03*	*02/22/25 08:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.0**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.0**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12B3_9-10

Lab Sample ID: 460-320634-5

Date Collected: 02/17/25 08:07
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00018	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Acrolein	0.088	U	0.088	0.025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Acrylonitrile	0.0088	U	0.0088	0.0043	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Benzene	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1

Client Sample ID: 12B3_9-10
Date Collected: 02/17/25 08:07
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-5
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chlorobenzene	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chlorobromomethane	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chlorodibromomethane	0.00088	U	0.00088	0.00017	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Ethylbenzene	0.00088	U	0.00088	0.00018	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Ethylene Dibromide	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
N-Propylbenzene	0.00088	U	0.00088	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
o-Xylene	0.00088	U	0.00088	0.00017	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
TBA	0.0088	U	0.0088	0.0069	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:04*	*02/21/25 14:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/18/25 18:04*	*02/21/25 14:11*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*02/18/25 18:04*	*02/21/25 14:11*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*02/18/25 18:04*	*02/21/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/18/25 18:04*	*02/21/25 14:11*	*1*

Client Sample ID: 12B3_9-10

Lab Sample ID: 460-320634-5

Date Collected: 02/17/25 08:07
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 88.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.6		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	88.4		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12C1_9-10

Lab Sample ID: 460-320634-6

Date Collected: 02/17/25 08:10
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00018	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2-Dibromo-3-Chloropropane	0.00087	U	0.00087	0.00040	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Acrolein	0.087	U	0.087	0.024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Acrylonitrile	0.0087	U	0.0087	0.0042	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Benzene	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Carbon tetrachloride	0.00087	U	0.00087	0.00033	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chlorobenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chlorobromomethane	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chlorodibromomethane	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chloroform	0.00087	U	0.00087	0.00084	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00029	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Ethylbenzene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Ethylene Dibromide	0.00087	U	0.00087	0.00016	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1

Client Sample ID: 12C1_9-10

Lab Sample ID: 460-320634-6

Date Collected: 02/17/25 08:10
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00044	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Methylcyclohexane	0.00087	U	0.00087	0.00043	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
n-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
N-Propylbenzene	0.00087	U	0.00087	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
o-Xylene	0.00087	U	0.00087	0.00017	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
TBA	0.0087	U	0.0087	0.0068	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Tetrachloroethene	0.00087	U	0.00087	0.00026	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Vinyl chloride	0.00087	U	0.00087	0.00047	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/18/25 18:04	02/21/25 14:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:04*	*02/21/25 14:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/18/25 18:04*	*02/21/25 14:37*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*02/18/25 18:04*	*02/21/25 14:37*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*02/18/25 18:04*	*02/21/25 14:37*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/18/25 18:04*	*02/21/25 14:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**90.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12C2_9-10

Lab Sample ID: 460-320634-7

Date Collected: 02/17/25 08:15
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1

Client Sample ID: 12C2_9-10
Date Collected: 02/17/25 08:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-7
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
2-Butanone (MEK)	0.0059	U	0.0059	0.00043	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
2-Hexanone	0.0059	U	0.0059	0.0020	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
4-Methyl-2-pentanone (MIBK)	0.0059	U	0.0059	0.0018	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Acetone	0.0071	U	0.0071	0.0067	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Acrolein	0.12	U	0.12	0.033	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Acrylonitrile	0.012	U	0.012	0.0057	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Benzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chlorobromomethane	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Ethylbenzene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Ethylene Dibromide	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Methyl acetate	0.0059	U	0.0059	0.0051	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Methylcyclohexane	0.0012	U	0.0012	0.00059	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Methylene Chloride	0.0024	U	0.0024	0.0013	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00020	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
TBA	0.012	U	0.012	0.0092	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
tert-Butylbenzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1

Client Sample ID: 12C2_9-10

Date Collected: 02/17/25 08:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-7

Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1
Xylenes, Total	0.0024	U	0.0024	0.00020	mg/Kg	☼	02/18/25 18:05	02/21/25 15:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:05*	*02/21/25 15:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/18/25 18:05*	*02/21/25 15:02*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:05*	*02/21/25 15:02*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*02/18/25 18:05*	*02/21/25 15:02*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*02/18/25 18:05*	*02/21/25 15:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**88.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12C2_8-9

Date Collected: 02/17/25 08:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-8

Matrix: Solid
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
2-Hexanone	0.0054	U	0.0054	0.0019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Acrolein	0.11	U	0.11	0.030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Acrylonitrile	0.011	U	0.011	0.0053	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1

Client Sample ID: 12C2_8-9
Date Collected: 02/17/25 08:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-8
Matrix: Solid
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Methyl acetate	0.0054	U	0.0054	0.0047	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
TBA	0.011	U	0.011	0.0085	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:05	02/21/25 15:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:05*	*02/21/25 15:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*02/18/25 18:05*	*02/21/25 15:27*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*02/18/25 18:05*	*02/21/25 15:27*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:05*	*02/21/25 15:27*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:05*	*02/21/25 15:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.4**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.6**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12C2_1-2
Date Collected: 02/17/25 08:23
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-9
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Acrolein	0.11	U	0.11	0.030	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Acrylonitrile	0.011	U	0.011	0.0052	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Benzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Methylene Chloride	**0.0012**	**J**	0.0021	0.0012	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1

Client Sample ID: 12C2_1-2

Lab Sample ID: 460-320634-9

Date Collected: 02/17/25 08:23
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
TBA	0.011	U	0.011	0.0083	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/18/25 18:06	02/21/25 15:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Butane, 2-methyl-	*0.011*	*J N*	*mg/Kg*	☼	*1.42*	*78-78-4*	*02/18/25 18:06*	*02/21/25 15:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*02/18/25 18:06*	*02/21/25 15:52*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:06*	*02/21/25 15:52*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*02/18/25 18:06*	*02/21/25 15:52*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*02/18/25 18:06*	*02/21/25 15:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12C3_2-3

Lab Sample ID: 460-320634-10

Date Collected: 02/17/25 08:25
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
2-Butanone (MEK)	**0.0070**		0.0060	0.00044	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
2-Hexanone	0.0060	U	0.0060	0.0021	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1

Client Sample ID: 12C3_2-3

Date Collected: 02/17/25 08:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-10

Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Acetone	**0.032**		0.0073	0.0069	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Acrolein	0.12	U	0.12	0.034	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Acrylonitrile	0.012	U	0.012	0.0059	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chlorobenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chlorodibromomethane	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Methyl acetate	0.0060	U	0.0060	0.0052	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
m-Xylene & p-Xylene	**0.00040**	**J**	0.0012	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
o-Xylene	0.0012	U	0.0012	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
TBA	0.012	U	0.012	0.0095	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1
Xylenes, Total	**0.00040**	**J**	0.0024	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 16:16	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:07*	*02/21/25 16:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/18/25 18:07*	*02/21/25 16:16*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:07*	*02/21/25 16:16*	*1*

Client Sample ID: 12C3_2-3

Lab Sample ID: 460-320634-10

Date Collected: 02/17/25 08:25
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*02/18/25 18:07*	*02/21/25 16:16*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:07*	*02/21/25 16:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.9**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**96.1**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12D1_3-4

Lab Sample ID: 460-320634-11

Date Collected: 02/17/25 08:30
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Acrolein	0.10	U	0.10	0.028	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1

Client Sample ID: 12D1_3-4

Lab Sample ID: 460-320634-11

Date Collected: 02/17/25 08:30
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Methyl acetate	0.0050	U *	0.0050	0.0043	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
TBA	0.010	U	0.010	0.0079	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/18/25 18:07	02/21/25 19:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:07*	*02/21/25 19:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*02/18/25 18:07*	*02/21/25 19:58*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:07*	*02/21/25 19:58*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*02/18/25 18:07*	*02/21/25 19:58*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*02/18/25 18:07*	*02/21/25 19:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.4**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.6**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12D2_2-3

Lab Sample ID: 460-320634-12

Date Collected: 02/17/25 08:35
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00034	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1

Client Sample ID: 12D2_2-3
Date Collected: 02/17/25 08:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-12
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00066	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00053	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
2-Butanone (MEK)	0.0072	U	0.0072	0.00053	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
2-Hexanone	0.0072	U	0.0072	0.0025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
4-Methyl-2-pentanone (MIBK)	0.0072	U	0.0072	0.0022	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Acrolein	0.14	U	0.14	0.040	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Acrylonitrile	0.014	U	0.014	0.0070	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Bromoform	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Bromomethane	0.0029	U	0.0029	0.0014	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Carbon tetrachloride	0.0014	U	0.0014	0.00056	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chlorodibromomethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Chloromethane	0.0014	U	0.0014	0.00063	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Cyclohexane	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Dichlorobromomethane	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00049	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Ethylbenzene	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Ethylene Dibromide	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Isopropylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Methyl acetate	0.0072	U *	0.0072	0.0062	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00074	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Methylcyclohexane	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Methylene Chloride	0.0029	U	0.0029	0.0016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
sec-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Styrene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
TBA	0.014	U	0.014	0.011	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
tert-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1

Client Sample ID: 12D2_2-3

Lab Sample ID: 460-320634-12

Date Collected: 02/17/25 08:35
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0014	U	0.0014	0.00034	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Vinyl chloride	0.0014	U	0.0014	0.00079	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:08*	*02/21/25 20:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/18/25 18:08*	*02/21/25 20:22*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*02/18/25 18:08*	*02/21/25 20:22*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*02/18/25 18:08*	*02/21/25 20:22*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:08*	*02/21/25 20:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12D2_9-10

Lab Sample ID: 460-320634-13

Date Collected: 02/17/25 08:40
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00033	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Acrolein	0.089	U	0.089	0.025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Acrylonitrile	0.0089	U	0.0089	0.0043	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Benzene	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1

Client Sample ID: 12D2_9-10
Date Collected: 02/17/25 08:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-13
Matrix: Solid
Percent Solids: 96.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Carbon tetrachloride	0.00089	U	0.00089	0.00035	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chloroform	0.00089	U	0.00089	0.00087	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Ethylbenzene	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Methyl acetate	0.0045	U *	0.0045	0.0038	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Methylcyclohexane	0.00089	U	0.00089	0.00045	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
N-Propylbenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
o-Xylene	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
TBA	0.0089	U	0.0089	0.0070	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:08	02/21/25 20:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.024*	*J*	*mg/Kg*	☼	*10.99*	*N/A*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Unknown	*0.028*	*J*	*mg/Kg*	☼	*11.39*	*N/A*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Oxirane, 2-decyl-3-(5-methylhexyl)-, cis-	*0.012*	*J N*	*mg/Kg*	☼	*11.65*	*29804-22-6*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Dodecane, 2,6,10-trimethyl-	*0.030*	*J N*	*mg/Kg*	☼	*12.22*	*3891-98-3*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Tetradecane	*0.011*	*J N*	*mg/Kg*	☼	*12.41*	*629-59-4*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Unknown	*0.019*	*J*	*mg/Kg*	☼	*12.61*	*N/A*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Unknown alkane	*0.034*	*J*	*mg/Kg*	☼	*13.06*	*N/A*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Unknown	*0.022*	*J*	*mg/Kg*	☼	*13.24*	*N/A*	*02/18/25 18:08*	*02/21/25 20:47*	*1*
Pentadecane	*0.013*	*J N*	*mg/Kg*	☼	*13.50*	*629-62-9*	*02/18/25 18:08*	*02/21/25 20:47*	*1*

Client Sample ID: 12D2_9-10

Lab Sample ID: 460-320634-13

Date Collected: 02/17/25 08:40
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.020	J	mg/Kg	☼	13.72	N/A	02/18/25 18:08	02/21/25 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		65 - 138	02/18/25 18:08	02/21/25 20:47	1
4-Bromofluorobenzene	97		71 - 128	02/18/25 18:08	02/21/25 20:47	1
Dibromofluoromethane (Surr)	109		50 - 150	02/18/25 18:08	02/21/25 20:47	1
Toluene-d8 (Surr)	99		71 - 126	02/18/25 18:08	02/21/25 20:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	3.7		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	96.3		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12D3_5-6

Lab Sample ID: 460-320634-14

Date Collected: 02/17/25 08:45
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00080	U	0.00080	0.00019	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,1,2,2-Tetrachloroethane	0.00080	U	0.00080	0.00017	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,1,2-Trichloroethane	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,1-Dichloroethane	0.00080	U	0.00080	0.00016	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,1-Dichloroethene	0.00080	U	0.00080	0.00018	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2,3-Trichlorobenzene	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2,4-Trichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2,4-Trimethylbenzene	0.00080	U	0.00080	0.00020	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2-Dibromo-3-Chloropropane	0.00080	U	0.00080	0.00037	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2-Dichloroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,2-Dichloropropane	0.00080	U	0.00080	0.00034	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,3,5-Trimethylbenzene	0.00080	U	0.00080	0.00025	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,3-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
1,4-Dichlorobenzene	0.00080	U	0.00080	0.00018	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00029	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Acrolein	0.080	U	0.080	0.022	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Acrylonitrile	0.0080	U	0.0080	0.0039	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Benzene	0.00080	U	0.00080	0.00021	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Bromoform	0.00080	U	0.00080	0.00034	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Bromomethane	0.0016	U	0.0016	0.00080	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Carbon disulfide	0.00080	U	0.00080	0.00021	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Carbon tetrachloride	0.00080	U	0.00080	0.00031	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Chlorobenzene	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Chlorobromomethane	0.00080	U	0.00080	0.00022	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Chlorodibromomethane	0.00080	U	0.00080	0.00015	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Chloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1

Client Sample ID: 12D3_5-6
Date Collected: 02/17/25 08:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-14
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.00080	U	0.00080	0.00078	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Chloromethane	0.00080	U	0.00080	0.00035	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
cis-1,2-Dichloroethene	0.00080	U	0.00080	0.00029	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
cis-1,3-Dichloropropene	0.00080	U	0.00080	0.00022	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Cyclohexane	0.00080	U	0.00080	0.00018	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Dichlorobromomethane	0.00080	U	0.00080	0.00021	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Dichlorodifluoromethane	0.00080	U	0.00080	0.00027	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Ethylbenzene	0.00080	U	0.00080	0.00016	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Ethylene Dibromide	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Isopropylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Methyl acetate	0.0040	U *	0.0040	0.0034	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Methyl tert-butyl ether	0.00080	U	0.00080	0.00041	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Methylcyclohexane	0.00080	U	0.00080	0.00040	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
m-Xylene & p-Xylene	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
n-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
N-Propylbenzene	0.00080	U	0.00080	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
o-Xylene	0.00080	U	0.00080	0.00015	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
sec-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Styrene	0.00080	U	0.00080	0.00022	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
TBA	0.0080	U	0.0080	0.0063	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
tert-Butylbenzene	0.00080	U	0.00080	0.00022	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Tetrachloroethene	0.00080	U	0.00080	0.00024	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Toluene	0.00080	U	0.00080	0.00019	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
trans-1,2-Dichloroethene	0.00080	U	0.00080	0.00020	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
trans-1,3-Dichloropropene	0.00080	U	0.00080	0.00021	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Trichloroethene	0.00080	U	0.00080	0.00026	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Trichlorofluoromethane	0.00080	U	0.00080	0.00032	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Vinyl chloride	0.00080	U	0.00080	0.00044	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:09*	*02/21/25 21:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*02/18/25 18:09*	*02/21/25 21:12*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*02/18/25 18:09*	*02/21/25 21:12*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*02/18/25 18:09*	*02/21/25 21:12*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:09*	*02/21/25 21:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.7**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.3**		1.0	1.0	%			02/18/25 08:09	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12D3_9-10
Date Collected: 02/17/25 08:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-15
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0017	U	0.0017	0.00041	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	0.00037	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U	0.0017	0.00052	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,1,2-Trichloroethane	0.0017	U	0.0017	0.00031	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,1-Dichloroethane	0.0017	U	0.0017	0.00036	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,1-Dichloroethene	0.0017	U	0.0017	0.00039	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2,3-Trichlorobenzene	0.0017	U	0.0017	0.00032	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2,4-Trichlorobenzene	0.0017	U	0.0017	0.00062	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2,4-Trimethylbenzene	0.0017	U	0.0017	0.00043	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.00080	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2-Dichlorobenzene	0.0017	U	0.0017	0.00063	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2-Dichloroethane	0.0017	U	0.0017	0.00052	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,2-Dichloropropane	0.0017	U	0.0017	0.00074	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,3,5-Trimethylbenzene	0.0017	U	0.0017	0.00055	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,3-Dichlorobenzene	0.0017	U	0.0017	0.00064	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
1,4-Dichlorobenzene	0.0017	U	0.0017	0.00039	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
2-Butanone (MEK)	0.0087	U	0.0087	0.00064	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
2-Hexanone	0.0087	U	0.0087	0.0030	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
4-Methyl-2-pentanone (MIBK)	0.0087	U	0.0087	0.0027	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Acetone	0.010	U	0.010	0.010	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Acrolein	0.17	U	0.17	0.049	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Acrylonitrile	0.017	U	0.017	0.0085	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Benzene	0.0017	U	0.0017	0.00045	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Bromoform	0.0017	U	0.0017	0.00074	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Bromomethane	0.0035	U	0.0035	0.0017	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Carbon disulfide	0.0017	U	0.0017	0.00046	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Carbon tetrachloride	0.0017	U	0.0017	0.00067	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chlorobenzene	0.0017	U	0.0017	0.00031	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chlorobromomethane	0.0017	U	0.0017	0.00049	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chlorodibromomethane	0.0017	U	0.0017	0.00034	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chloroethane	0.0017	U	0.0017	0.00091	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chloroform	0.0017	U	0.0017	0.0017	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Chloromethane	0.0017	U	0.0017	0.00076	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
cis-1,2-Dichloroethene	0.0017	U	0.0017	0.00062	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
cis-1,3-Dichloropropene	0.0017	U	0.0017	0.00048	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Cyclohexane	0.0017	U	0.0017	0.00038	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Dichlorobromomethane	0.0017	U	0.0017	0.00045	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Dichlorodifluoromethane	0.0017	U	0.0017	0.00059	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Ethylbenzene	0.0017	U	0.0017	0.00035	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Ethylene Dibromide	0.0017	U	0.0017	0.00031	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Isopropylbenzene	0.0017	U	0.0017	0.00050	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Methyl acetate	0.0087	U *	0.0087	0.0075	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Methyl tert-butyl ether	0.0017	U	0.0017	0.00089	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Methylcyclohexane	0.0017	U	0.0017	0.00087	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Methylene Chloride	0.0035	U	0.0035	0.0020	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
m-Xylene & p-Xylene	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
n-Butylbenzene	0.0017	U	0.0017	0.00051	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
N-Propylbenzene	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
o-Xylene	0.0017	U	0.0017	0.00034	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1

Client Sample ID: 12D3_9-10

Date Collected: 02/17/25 08:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-15

Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.0017	U	0.0017	0.00050	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Styrene	0.0017	U	0.0017	0.00048	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
TBA	0.017	U	0.017	0.014	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
tert-Butylbenzene	0.0017	U	0.0017	0.00048	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Tetrachloroethene	0.0017	U	0.0017	0.00053	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Toluene	0.0017	U	0.0017	0.00041	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
trans-1,2-Dichloroethene	0.0017	U	0.0017	0.00043	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
trans-1,3-Dichloropropene	0.0017	U	0.0017	0.00046	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Trichloroethene	0.0017	U	0.0017	0.00056	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Trichlorofluoromethane	0.0017	U	0.0017	0.00071	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Vinyl chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1
Xylenes, Total	0.0035	U	0.0035	0.00030	mg/Kg	☼	02/18/25 18:09	02/21/25 21:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.014*	*J*	*mg/Kg*	☼	*13.24*	*N/A*	*02/18/25 18:09*	*02/21/25 21:37*	*1*
Unknown	*0.014*	*J*	*mg/Kg*	☼	*13.72*	*N/A*	*02/18/25 18:09*	*02/21/25 21:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*02/18/25 18:09*	*02/21/25 21:37*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:09*	*02/21/25 21:37*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:09*	*02/21/25 21:37*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*02/18/25 18:09*	*02/21/25 21:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12E3_8-9

Date Collected: 02/17/25 08:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-16

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1

Client Sample ID: 12E3_8-9
Date Collected: 02/17/25 08:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-16
Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Acrolein	0.10	U	0.10	0.029	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Acrylonitrile	0.010	U	0.010	0.0050	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Benzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Ethylbenzene	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Ethylene Dibromide	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Methyl acetate	0.0052	U *	0.0052	0.0045	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
TBA	0.010	U	0.010	0.0081	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:02	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:10*	*02/21/25 22:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*02/18/25 18:10*	*02/21/25 22:02*	*1*

Client Sample ID: 12E3_8-9

Lab Sample ID: 460-320634-16

Date Collected: 02/17/25 08:55
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:10*	*02/21/25 22:02*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:10*	*02/21/25 22:02*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:10*	*02/21/25 22:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12E_9-10

Lab Sample ID: 460-320634-17

Date Collected: 02/17/25 09:00
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
2-Hexanone	0.0042	U	0.0042	0.0015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Acetone	0.0051	U	0.0051	0.0049	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Acrolein	0.085	U	0.085	0.024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Acrylonitrile	0.0085	U	0.0085	0.0041	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1

Client Sample ID: 12E_9-10

Date Collected: 02/17/25 09:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-17

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Ethylbenzene	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Methyl acetate	0.0042	U *	0.0042	0.0036	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
N-Propylbenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
o-Xylene	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
TBA	0.0085	U	0.0085	0.0067	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/18/25 18:10	02/21/25 22:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:10*	*02/21/25 22:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*02/18/25 18:10*	*02/21/25 22:28*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:10*	*02/21/25 22:28*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*02/18/25 18:10*	*02/21/25 22:28*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:10*	*02/21/25 22:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12E1_1-2

Date Collected: 02/17/25 09:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-18

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1

Client Sample ID: 12E1_1-2
Date Collected: 02/17/25 09:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-18
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2-Dibromo-3-Chloropropane	0.00092	U	0.00092	0.00042	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Acrolein	0.092	U	0.092	0.026	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Acrylonitrile	0.0092	U	0.0092	0.0045	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Carbon tetrachloride	0.00092	U	0.00092	0.00035	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Ethylene Dibromide	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Methyl acetate	0.0046	U *	0.0046	0.0039	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Styrene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
TBA	0.0092	U	0.0092	0.0072	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1

Client Sample ID: 12E1_1-2

Lab Sample ID: 460-320634-18

Date Collected: 02/17/25 09:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Toluene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Trichloroethene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:11	02/21/25 22:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:11*	*02/21/25 22:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*02/18/25 18:11*	*02/21/25 22:52*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*02/18/25 18:11*	*02/21/25 22:52*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*02/18/25 18:11*	*02/21/25 22:52*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:11*	*02/21/25 22:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12E1_6-7

Lab Sample ID: 460-320634-19

Date Collected: 02/17/25 09:20
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Acetone	**0.022**		0.0054	0.0051	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Acrolein	0.090	U	0.090	0.025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Acrylonitrile	0.0090	U	0.0090	0.0044	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1

Client Sample ID: 12E1_6-7

Date Collected: 02/17/25 09:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-19

Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0012**		0.00090	0.00023	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chlorobromomethane	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chlorodibromomethane	0.00090	U	0.00090	0.00017	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Ethylbenzene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Ethylene Dibromide	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Methyl acetate	0.0045	U *	0.0045	0.0039	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Methylene Chloride	**0.0014**	**J**	0.0018	0.0010	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
N-Propylbenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
o-Xylene	0.00090	U	0.00090	0.00017	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
TBA	0.0090	U	0.0090	0.0070	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:12	02/21/25 23:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:12*	*02/21/25 23:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*02/18/25 18:12*	*02/21/25 23:17*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*02/18/25 18:12*	*02/21/25 23:17*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:12*	*02/21/25 23:17*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/18/25 18:12*	*02/21/25 23:17*	*1*

Client Sample ID: 12E1_6-7

Date Collected: 02/17/25 09:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-19

Matrix: Solid
Percent Solids: 92.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.1		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	92.9		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12E1_8-9

Date Collected: 02/17/25 09:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-20

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00041	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Acrolein	0.11	U	0.11	0.031	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Acrylonitrile	0.011	U	0.011	0.0054	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1

Client Sample ID: 12E1_8-9

Date Collected: 02/17/25 09:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-20

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0055	U *	0.0055	0.0047	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
TBA	0.011	U	0.011	0.0087	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:12	02/21/25 23:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:12*	*02/21/25 23:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*02/18/25 18:12*	*02/21/25 23:42*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*02/18/25 18:12*	*02/21/25 23:42*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*02/18/25 18:12*	*02/21/25 23:42*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:12*	*02/21/25 23:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12F3_1-2

Date Collected: 02/17/25 09:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-21

Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00026	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00025	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1

Client Sample ID: 12F3_1-2
Date Collected: 02/17/25 09:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-21
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
2-Butanone (MEK)	0.0061	U	0.0061	0.00045	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Acetone	0.0073	U	0.0073	0.0069	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Acrolein	0.12	U	0.12	0.034	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Acrylonitrile	0.012	U	0.012	0.0059	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Benzene	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chlorobenzene	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chlorobromomethane	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chlorodibromomethane	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Ethylbenzene	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Ethylene Dibromide	0.0012	U	0.0012	0.00022	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Methyl acetate	0.0061	U *	0.0061	0.0052	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
N-Propylbenzene	0.0012	U	0.0012	0.00021	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
o-Xylene	0.0012	U	0.0012	0.00024	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
TBA	0.012	U	0.012	0.0095	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1

Client Sample ID: 12F3_1-2

Date Collected: 02/17/25 09:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-21

Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	02/18/25 18:13	02/22/25 00:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:13*	*02/22/25 00:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*02/18/25 18:13*	*02/22/25 00:06*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:13*	*02/22/25 00:06*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:13*	*02/22/25 00:06*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:13*	*02/22/25 00:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12F2_9-2

Date Collected: 02/17/25 09:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-22

Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0017	U	0.0017	0.00039	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	0.00036	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U	0.0017	0.00051	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,1,2-Trichloroethane	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,1-Dichloroethane	0.0017	U	0.0017	0.00035	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,1-Dichloroethene	0.0017	U	0.0017	0.00038	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2,3-Trichlorobenzene	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2,4-Trichlorobenzene	0.0017	U	0.0017	0.00060	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2,4-Trimethylbenzene	0.0017	U	0.0017	0.00041	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.00077	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2-Dichlorobenzene	0.0017	U	0.0017	0.00061	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2-Dichloroethane	0.0017	U	0.0017	0.00050	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,2-Dichloropropane	0.0017	U	0.0017	0.00071	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,3,5-Trimethylbenzene	0.0017	U	0.0017	0.00053	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,3-Dichlorobenzene	0.0017	U	0.0017	0.00061	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
1,4-Dichlorobenzene	0.0017	U	0.0017	0.00038	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
2-Butanone (MEK)	0.0084	U	0.0084	0.00062	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
2-Hexanone	0.0084	U	0.0084	0.0029	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
4-Methyl-2-pentanone (MIBK)	0.0084	U	0.0084	0.0026	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Acetone	0.010	U	0.010	0.0096	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Acrolein	0.17	U	0.17	0.047	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Acrylonitrile	0.017	U	0.017	0.0082	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Benzene	0.0017	U	0.0017	0.00043	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Bromoform	0.0017	U	0.0017	0.00071	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Bromomethane	0.0034	U	0.0034	0.0017	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Carbon disulfide	0.0017	U	0.0017	0.00045	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Carbon tetrachloride	0.0017	U	0.0017	0.00065	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Chlorobenzene	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1

Client Sample ID: 12F2_9-2
Date Collected: 02/17/25 09:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-22
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0017	U	0.0017	0.00047	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Chlorodibromomethane	0.0017	U	0.0017	0.00033	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Chloroethane	0.0017	U	0.0017	0.00088	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Chloroform	0.0017	U	0.0017	0.0016	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Chloromethane	0.0017	U	0.0017	0.00073	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
cis-1,2-Dichloroethene	0.0017	U	0.0017	0.00060	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
cis-1,3-Dichloropropene	0.0017	U	0.0017	0.00046	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Cyclohexane	0.0017	U	0.0017	0.00037	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Dichlorobromomethane	0.0017	U	0.0017	0.00043	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Dichlorodifluoromethane	0.0017	U	0.0017	0.00057	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Ethylbenzene	0.0017	U	0.0017	0.00033	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Ethylene Dibromide	0.0017	U	0.0017	0.00030	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Isopropylbenzene	0.0017	U	0.0017	0.00048	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Methyl acetate	0.0084	U *	0.0084	0.0072	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Methyl tert-butyl ether	0.0017	U	0.0017	0.00086	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Methylcyclohexane	0.0017	U	0.0017	0.00084	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Methylene Chloride	0.0034	U	0.0034	0.0019	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
m-Xylene & p-Xylene	0.0017	U	0.0017	0.00029	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
n-Butylbenzene	0.0017	U	0.0017	0.00049	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
N-Propylbenzene	0.0017	U	0.0017	0.00029	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
o-Xylene	0.0017	U	0.0017	0.00033	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
sec-Butylbenzene	0.0017	U	0.0017	0.00048	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Styrene	0.0017	U	0.0017	0.00047	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
TBA	0.017	U	0.017	0.013	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
tert-Butylbenzene	0.0017	U	0.0017	0.00046	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Tetrachloroethene	0.0017	U	0.0017	0.00051	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Toluene	0.0017	U	0.0017	0.00039	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
trans-1,2-Dichloroethene	0.0017	U	0.0017	0.00041	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
trans-1,3-Dichloropropene	0.0017	U	0.0017	0.00045	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Trichloroethene	0.0017	U	0.0017	0.00054	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Trichlorofluoromethane	0.0017	U	0.0017	0.00068	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Vinyl chloride	0.0017	U	0.0017	0.00092	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1
Xylenes, Total	0.0034	U	0.0034	0.00029	mg/Kg	☼	02/18/25 18:13	02/22/25 00:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:13*	*02/22/25 00:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*02/18/25 18:13*	*02/22/25 00:31*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*02/18/25 18:13*	*02/22/25 00:31*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:13*	*02/22/25 00:31*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*02/18/25 18:13*	*02/22/25 00:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**95.9**		1.0	1.0	%			02/18/25 08:09	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12F1_2-3
Date Collected: 02/17/25 09:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-23
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00066	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00053	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
2-Hexanone	0.0071	U	0.0071	0.0024	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
4-Methyl-2-pentanone (MIBK)	0.0071	U	0.0071	0.0022	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Acrolein	0.14	U	0.14	0.040	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Acrylonitrile	0.014	U	0.014	0.0069	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Benzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Bromoform	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Bromomethane	0.0029	U	0.0029	0.0014	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chlorodibromomethane	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Chloromethane	0.0014	U	0.0014	0.00062	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Cyclohexane	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Dichlorobromomethane	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Ethylene Dibromide	0.0014	U	0.0014	0.00026	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Isopropylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Methyl acetate	0.0071	U *	0.0071	0.0061	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Methylcyclohexane	0.0014	U	0.0014	0.00071	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Methylene Chloride	0.0029	U	0.0029	0.0016	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
o-Xylene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1

Client Sample ID: 12F1_2-3

Date Collected: 02/17/25 09:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-23

Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Styrene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
TBA	0.014	U	0.014	0.011	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Vinyl chloride	0.0014	U	0.0014	0.00078	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 00:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:14*	*02/22/25 00:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*02/18/25 18:14*	*02/22/25 00:56*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:14*	*02/22/25 00:56*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*02/18/25 18:14*	*02/22/25 00:56*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:14*	*02/22/25 00:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.5**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**92.5**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12F1_9-10

Date Collected: 02/17/25 09:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-24

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,1,2,2-Tetrachloroethane	0.00074	U	0.00074	0.00016	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,1,2-Trichloroethane	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,1-Dichloroethane	0.00074	U	0.00074	0.00015	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,1-Dichloroethene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2,3-Trichlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2,4-Trichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2,4-Trimethylbenzene	0.00074	U	0.00074	0.00018	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2-Dibromo-3-Chloropropane	0.00074	U	0.00074	0.00034	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2-Dichloroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,2-Dichloropropane	0.00074	U	0.00074	0.00031	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,3,5-Trimethylbenzene	0.00074	U	0.00074	0.00023	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,3-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
1,4-Dichlorobenzene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
2-Hexanone	0.0037	U	0.0037	0.0013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1

Client Sample ID: 12F1_9-10
Date Collected: 02/17/25 09:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-24
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0012	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Acrolein	0.074	U	0.074	0.021	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Acrylonitrile	0.0074	U	0.0074	0.0036	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Benzene	0.00074	U	0.00074	0.00019	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Bromoform	0.00074	U	0.00074	0.00031	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Bromomethane	0.0015	U	0.0015	0.00074	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Carbon disulfide	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Carbon tetrachloride	0.00074	U	0.00074	0.00029	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chlorobromomethane	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chlorodibromomethane	0.00074	U	0.00074	0.00014	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chloroethane	0.00074	U	0.00074	0.00039	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chloroform	0.00074	U	0.00074	0.00072	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Chloromethane	0.00074	U	0.00074	0.00032	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
cis-1,2-Dichloroethene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
cis-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Cyclohexane	0.00074	U	0.00074	0.00016	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Dichlorobromomethane	0.00074	U	0.00074	0.00019	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Dichlorodifluoromethane	0.00074	U	0.00074	0.00025	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Ethylbenzene	0.00074	U	0.00074	0.00015	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Ethylene Dibromide	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Isopropylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Methyl acetate	0.0037	U *	0.0037	0.0032	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Methyl tert-butyl ether	0.00074	U	0.00074	0.00038	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Methylcyclohexane	0.00074	U	0.00074	0.00037	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Methylene Chloride	0.0015	U	0.0015	0.00085	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
m-Xylene & p-Xylene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
n-Butylbenzene	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
N-Propylbenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
o-Xylene	0.00074	U	0.00074	0.00014	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
sec-Butylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Styrene	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
TBA	0.0074	U	0.0074	0.0058	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
tert-Butylbenzene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Tetrachloroethene	0.00074	U	0.00074	0.00023	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Toluene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
trans-1,2-Dichloroethene	0.00074	U	0.00074	0.00018	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
trans-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Trichloroethene	0.00074	U	0.00074	0.00024	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Trichlorofluoromethane	0.00074	U	0.00074	0.00030	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Vinyl chloride	0.00074	U	0.00074	0.00040	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	02/18/25 18:14	02/22/25 01:21	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:14*	*02/22/25 01:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*02/18/25 18:14*	*02/22/25 01:21*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:14*	*02/22/25 01:21*	*1*

Client Sample ID: 12F1_9-10

Lab Sample ID: 460-320634-24

Date Collected: 02/17/25 09:50
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*02/18/25 18:14*	*02/22/25 01:21*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*02/18/25 18:14*	*02/22/25 01:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12F1_8-9

Lab Sample ID: 460-320634-25

Date Collected: 02/17/25 09:45
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Acrolein	0.11	U	0.11	0.031	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Acrylonitrile	0.011	U	0.011	0.0054	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1

Client Sample ID: 12F1_8-9

Date Collected: 02/17/25 09:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-25

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Methyl acetate	0.0056	U *	0.0056	0.0048	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Methylene Chloride	**0.0021**	**J**	0.0022	0.0013	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
N-Propylbenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
TBA	0.011	U	0.011	0.0088	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:15	02/22/25 01:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:15*	*02/22/25 01:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*02/18/25 18:15*	*02/22/25 01:46*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:15*	*02/22/25 01:46*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*02/18/25 18:15*	*02/22/25 01:46*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:15*	*02/22/25 01:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12G3_1-2

Date Collected: 02/17/25 09:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-26

Matrix: Solid
Percent Solids: 94.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U	0.00098	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1

Client Sample ID: 12G3_1-2
Date Collected: 02/17/25 09:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-26
Matrix: Solid
Percent Solids: 94.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Acrolein	0.098	U	0.098	0.027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Acrylonitrile	0.0098	U	0.0098	0.0048	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Benzene	0.00098	U	0.00098	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chlorobenzene	0.00098	U	0.00098	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chlorobromomethane	0.00098	U	0.00098	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chlorodibromomethane	0.00098	U	0.00098	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Chloromethane	0.00098	U	0.00098	0.00043	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Ethylbenzene	0.00098	U	0.00098	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Ethylene Dibromide	0.00098	U	0.00098	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Methyl acetate	0.0049	U *	0.0049	0.0042	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
N-Propylbenzene	0.00098	U	0.00098	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
o-Xylene	0.00098	U	0.00098	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
TBA	0.0098	U	0.0098	0.0077	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1

Client Sample ID: 12G3_1-2

Lab Sample ID: 460-320634-26

Date Collected: 02/17/25 09:55
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:19*	*02/22/25 02:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*02/18/25 18:19*	*02/22/25 02:11*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:19*	*02/22/25 02:11*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*02/18/25 18:19*	*02/22/25 02:11*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:19*	*02/22/25 02:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12G3_8-9

Lab Sample ID: 460-320634-27

Date Collected: 02/17/25 10:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Acetone	0.0053	U	0.0053	0.0051	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Acrolein	0.089	U	0.089	0.025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Acrylonitrile	0.0089	U	0.0089	0.0043	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Benzene	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1

Client Sample ID: 12G3_8-9
Date Collected: 02/17/25 10:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-27
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Carbon tetrachloride	0.00089	U	0.00089	0.00034	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chlorobenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chlorobromomethane	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chlorodibromomethane	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chloroform	0.00089	U	0.00089	0.00086	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Ethylbenzene	0.00089	U	0.00089	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Ethylene Dibromide	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Methyl acetate	0.0045	U *	0.0045	0.0038	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Methylcyclohexane	0.00089	U	0.00089	0.00044	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Methylene Chloride	**0.0011**	**J**	0.0018	0.0010	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00015	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
N-Propylbenzene	0.00089	U	0.00089	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
o-Xylene	0.00089	U	0.00089	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
TBA	0.0089	U	0.0089	0.0070	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	02/18/25 18:19	02/22/25 02:36	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:19*	*02/22/25 02:36*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*02/18/25 18:19*	*02/22/25 02:36*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:19*	*02/22/25 02:36*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*02/18/25 18:19*	*02/22/25 02:36*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*02/18/25 18:19*	*02/22/25 02:36*	*1*

Client Sample ID: 12G3_8-9

Lab Sample ID: 460-320634-27

Date Collected: 02/17/25 10:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 92.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.3		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	92.7		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12G3_9-10

Lab Sample ID: 460-320634-28

Date Collected: 02/17/25 10:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2,4-Trimethylbenzene	0.00078	U	0.00078	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2-Dibromo-3-Chloropropane	0.00078	U	0.00078	0.00036	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
2-Butanone (MEK)	0.0038	J	0.0039	0.00029	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Acetone	0.026		0.0047	0.0045	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Acrolein	0.078	U	0.078	0.022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Acrylonitrile	0.0078	U	0.0078	0.0038	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Benzene	0.00078	U	0.00078	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Bromomethane	0.0016	U	0.0016	0.00078	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chlorobenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chlorobromomethane	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chlorodibromomethane	0.00078	U	0.00078	0.00015	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chloroform	0.00078	U	0.00078	0.00076	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00026	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Ethylbenzene	0.00078	U	0.00078	0.00016	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Ethylene Dibromide	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1

Client Sample ID: 12G3_9-10

Date Collected: 02/17/25 10:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-28

Matrix: Solid
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0039	U *	0.0039	0.0034	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Methylene Chloride	**0.00098**	**J**	0.0016	0.00089	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
m-Xylene & p-Xylene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
N-Propylbenzene	0.00078	U	0.00078	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
o-Xylene	0.00078	U	0.00078	0.00015	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
sec-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
TBA	0.0078	U	0.0078	0.0061	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
tert-Butylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Toluene	0.00078	U	0.00078	0.00018	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
trans-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Vinyl chloride	0.00078	U	0.00078	0.00043	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	02/18/25 18:19	02/22/25 03:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.0066*	*J*	*mg/Kg*	☼	*8.96*	*N/A*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Unknown	*0.0067*	*J*	*mg/Kg*	☼	*9.64*	*N/A*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
1-Ethyl-2,2,6-trimethylcyclohexane	*0.0068*	*J N*	*mg/Kg*	☼	*9.85*	*71186-27-1*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Cyclohexane, 1-methyl-4-(1-methylethenyl)-, trans-	*0.0068*	*J N*	*mg/Kg*	☼	*9.98*	*1124-25-0*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Unknown	*0.0077*	*J*	*mg/Kg*	☼	*10.14*	*N/A*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
1-Methyldecahydronaphthalene	*0.0083*	*J N*	*mg/Kg*	☼	*10.60*	*2958-75-0*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Unknown	*0.013*	*J*	*mg/Kg*	☼	*10.99*	*N/A*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Cyclohexane, 1-methyl-4-(1-methylethylidene)-	*0.0067*	*J N*	*mg/Kg*	☼	*11.32*	*1124-27-2*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Unknown	*0.0086*	*J*	*mg/Kg*	☼	*11.39*	*N/A*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
11,13-Dimethyl-12-tetradecen-1-ol acetate	*0.0067*	*J N*	*mg/Kg*	☼	*12.61*	*1000130-81-0*	*02/18/25 18:19*	*02/22/25 03:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*02/18/25 18:19*	*02/22/25 03:01*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:19*	*02/22/25 03:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12G2_9-10
Date Collected: 02/17/25 10:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-29
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00020	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00019	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00021	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Acrolein	0.093	U	0.093	0.026	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Acrylonitrile	0.0093	U	0.0093	0.0045	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Benzene	0.00093	U	0.00093	0.00024	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chlorobenzene	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chlorobromomethane	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chlorodibromomethane	0.00093	U	0.00093	0.00018	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Cyclohexane	0.00093	U	0.00093	0.00020	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Ethylbenzene	0.00093	U	0.00093	0.00018	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Ethylene Dibromide	0.00093	U	0.00093	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Isopropylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Methyl acetate	0.0046	U *	0.0046	0.0040	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00047	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
N-Propylbenzene	0.00093	U	0.00093	0.00016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
o-Xylene	0.00093	U	0.00093	0.00018	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1

Client Sample ID: 12G2_9-10

Date Collected: 02/17/25 10:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-29

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
TBA	0.0093	U	0.0093	0.0073	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	02/18/25 18:20	02/22/25 03:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:20*	*02/22/25 03:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*02/18/25 18:20*	*02/22/25 03:38*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*02/18/25 18:20*	*02/22/25 03:38*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*02/18/25 18:20*	*02/22/25 03:38*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:20*	*02/22/25 03:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12G1_9-10

Date Collected: 02/17/25 10:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-30

Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00021	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00020	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2-Dibromo-3-Chloropropane	0.00097	U	0.00097	0.00044	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00022	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00036	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
2-Hexanone	0.0048	U	0.0048	0.0017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12G1_9-10
Date Collected: 02/17/25 10:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-30
Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Acrolein	0.097	U	0.097	0.027	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Acrylonitrile	0.0097	U	0.0097	0.0047	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Benzene	0.00097	U	0.00097	0.00025	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Carbon tetrachloride	0.00097	U	0.00097	0.00037	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chlorobenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chlorobromomethane	0.00097	U	0.00097	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chlorodibromomethane	0.00097	U	0.00097	0.00019	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Cyclohexane	0.00097	U	0.00097	0.00021	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Ethylbenzene	0.00097	U	0.00097	0.00019	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Ethylene Dibromide	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Isopropylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Methyl acetate	0.0048	U	0.0048	0.0042	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00049	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Methylcyclohexane	0.00097	U	0.00097	0.00048	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
n-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
N-Propylbenzene	0.00097	U	0.00097	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
o-Xylene	0.00097	U	0.00097	0.00019	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
TBA	0.0097	U	0.0097	0.0076	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Tetrachloroethene	0.00097	U	0.00097	0.00029	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Toluene	0.00097	U	0.00097	0.00023	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
trans-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	02/18/25 18:20	02/22/25 08:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:20*	*02/22/25 08:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*02/18/25 18:20*	*02/22/25 08:53*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*02/18/25 18:20*	*02/22/25 08:53*	*1*

Client Sample ID: 12G1_9-10

Lab Sample ID: 460-320634-30

Date Collected: 02/17/25 10:15
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*02/18/25 18:20*	*02/22/25 08:53*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*02/18/25 18:20*	*02/22/25 08:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**92.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12H3_1-2

Lab Sample ID: 460-320634-31

Date Collected: 02/17/25 10:20
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
2-Butanone (MEK)	**0.0020**	**J**	0.0070	0.00052	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Acetone	**0.031**		0.0085	0.0081	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Acrolein	0.14	U	0.14	0.039	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Acrylonitrile	0.014	U	0.014	0.0069	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chlorobromomethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1

Client Sample ID: 12H3_1-2

Date Collected: 02/17/25 10:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-31

Matrix: Solid
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Methyl acetate	**0.015**		0.0070	0.0061	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
TBA	0.014	U	0.014	0.011	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 09:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Heptane, 2,4-dimethyl-	*0.0080*	*J N*	*mg/Kg*	☼	*6.89*	*2213-23-2*	*02/18/25 18:21*	*02/22/25 09:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*02/18/25 18:21*	*02/22/25 09:43*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:21*	*02/22/25 09:43*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*02/18/25 18:21*	*02/22/25 09:43*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:21*	*02/22/25 09:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.7**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.3**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12H3_9-10

Date Collected: 02/17/25 10:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-32

Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00018	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1

Client Sample ID: 12H3_9-10
Date Collected: 02/17/25 10:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-32
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Acrolein	0.085	U	0.085	0.024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Acrylonitrile	0.0085	U	0.0085	0.0041	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Benzene	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chlorobenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chlorobromomethane	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chlorodibromomethane	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Ethylbenzene	0.00085	U	0.00085	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Ethylene Dibromide	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Methylene Chloride	**0.0011**	**J**	0.0017	0.00097	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
N-Propylbenzene	0.00085	U	0.00085	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
o-Xylene	0.00085	U	0.00085	0.00016	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
TBA	0.0085	U	0.0085	0.0066	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1

Client Sample ID: 12H3_9-10

Lab Sample ID: 460-320634-32

Date Collected: 02/17/25 10:25
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:21*	*02/22/25 10:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:21*	*02/22/25 10:08*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*02/18/25 18:21*	*02/22/25 10:08*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:21*	*02/22/25 10:08*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:21*	*02/22/25 10:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.9**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**92.1**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12H3_8-9

Lab Sample ID: 460-320634-33

Date Collected: 02/17/25 10:30
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00021	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Acrolein	0.099	U	0.099	0.028	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Acrylonitrile	0.0099	U	0.0099	0.0048	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Benzene	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1

Client Sample ID: 12H3_8-9
Date Collected: 02/17/25 10:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-33
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chlorobenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chlorobromomethane	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chlorodibromomethane	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chloroethane	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Ethylene Dibromide	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
N-Propylbenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
o-Xylene	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
TBA	0.0099	U	0.0099	0.0077	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/18/25 18:21	02/22/25 10:33	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:21*	*02/22/25 10:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*02/18/25 18:21*	*02/22/25 10:33*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:21*	*02/22/25 10:33*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:21*	*02/22/25 10:33*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*02/18/25 18:21*	*02/22/25 10:33*	*1*

Client Sample ID: 12H3_8-9

Lab Sample ID: 460-320634-33

Date Collected: 02/17/25 10:30
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12H2_9-10

Lab Sample ID: 460-320634-34

Date Collected: 02/17/25 10:35
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00021	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00046	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
2-Butanone (MEK)	**0.017**		0.0050	0.00037	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0015	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Acetone	**0.092**		0.0060	0.0057	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Acrolein	0.099	U	0.099	0.028	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Acrylonitrile	0.0099	U	0.0099	0.0048	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Benzene	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Carbon disulfide	**0.00034**	**J**	0.00099	0.00026	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chlorobenzene	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chlorobromomethane	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chlorodibromomethane	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00036	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00034	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Ethylbenzene	0.00099	U	0.00099	0.00020	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Ethylene Dibromide	0.00099	U	0.00099	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1

Client Sample ID: 12H2_9-10
Date Collected: 02/17/25 10:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-34
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
m-Xylene & p-Xylene	**0.00034**	**J**	0.00099	0.00017	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
N-Propylbenzene	0.00099	U	0.00099	0.00017	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
o-Xylene	0.00099	U	0.00099	0.00019	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
sec-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Styrene	0.00099	U	0.00099	0.00028	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
TBA	0.0099	U	0.0099	0.0078	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1
Xylenes, Total	**0.00034**	**J**	0.0020	0.00017	mg/Kg	☼	02/18/25 18:22	02/22/25 10:58	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.0087*	*J*	*mg/Kg*	☼	*9.48*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.0076*	*J*	*mg/Kg*	☼	*10.23*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
trans-Decalin, 2-methyl-	*0.0084*	*J N*	*mg/Kg*	☼	*10.45*	*1000152-47-3*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.0090*	*J*	*mg/Kg*	☼	*10.54*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
1-Methyldecahydronaphthalene	*0.010*	*J N*	*mg/Kg*	☼	*10.60*	*2958-75-0*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.0087*	*J*	*mg/Kg*	☼	*10.88*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.020*	*J*	*mg/Kg*	☼	*10.99*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	*0.0086*	*J N*	*mg/Kg*	☼	*12.25*	*2613-76-5*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.0080*	*J*	*mg/Kg*	☼	*13.06*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Unknown	*0.0082*	*J*	*mg/Kg*	☼	*13.24*	*N/A*	*02/18/25 18:22*	*02/22/25 10:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*02/18/25 18:22*	*02/22/25 10:58*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:22*	*02/22/25 10:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			02/18/25 08:09	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12H1_8-9
Date Collected: 02/17/25 10:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-35
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00019	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00042	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Acrolein	0.090	U	0.090	0.025	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Acrylonitrile	0.0090	U	0.0090	0.0044	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Benzene	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chlorobenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chlorobromomethane	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chlorodibromomethane	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chloroform	0.00090	U	0.00090	0.00088	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00031	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Ethylbenzene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Ethylene Dibromide	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
n-Butylbenzene	0.00090	U	0.00090	0.00027	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
N-Propylbenzene	0.00090	U	0.00090	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
o-Xylene	0.00090	U	0.00090	0.00018	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1

Client Sample ID: 12H1_8-9

Lab Sample ID: 460-320634-35
Date Collected: 02/17/25 10:40
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
TBA	0.0090	U	0.0090	0.0071	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Tetrachloroethene	0.00090	U	0.00090	0.00028	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:22	02/22/25 11:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:22*	*02/22/25 11:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*02/18/25 18:22*	*02/22/25 11:22*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:22*	*02/22/25 11:22*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/18/25 18:22*	*02/22/25 11:22*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:22*	*02/22/25 11:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.1**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**88.9**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12I3_11-12

Lab Sample ID: 460-320634-36
Date Collected: 02/17/25 10:45
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00065	U	0.00065	0.00015	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,1,2,2-Tetrachloroethane	0.00065	U	0.00065	0.00014	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00065	U	0.00065	0.00020	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,1,2-Trichloroethane	0.00065	U	0.00065	0.00012	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,1-Dichloroethane	0.00065	U	0.00065	0.00013	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,1-Dichloroethene	0.00065	U	0.00065	0.00015	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2,3-Trichlorobenzene	0.00065	U	0.00065	0.00012	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2,4-Trichlorobenzene	0.00065	U	0.00065	0.00023	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2,4-Trimethylbenzene	0.00065	U	0.00065	0.00016	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2-Dibromo-3-Chloropropane	0.00065	U	0.00065	0.00030	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2-Dichlorobenzene	0.00065	U	0.00065	0.00024	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2-Dichloroethane	0.00065	U	0.00065	0.00019	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,2-Dichloropropane	0.00065	U	0.00065	0.00028	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,3,5-Trimethylbenzene	0.00065	U	0.00065	0.00021	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,3-Dichlorobenzene	0.00065	U	0.00065	0.00024	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
1,4-Dichlorobenzene	0.00065	U	0.00065	0.00015	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
2-Butanone (MEK)	0.0033	U	0.0033	0.00024	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
2-Hexanone	0.0033	U	0.0033	0.0011	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1

Client Sample ID: 12I3_11-12
Date Collected: 02/17/25 10:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-36
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0033	U	0.0033	0.0010	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Acetone	0.0039	U	0.0039	0.0037	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Acrolein	0.065	U	0.065	0.018	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Acrylonitrile	0.0065	U	0.0065	0.0032	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Benzene	0.00065	U	0.00065	0.00017	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Bromoform	0.00065	U	0.00065	0.00028	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Bromomethane	0.0013	U	0.0013	0.00065	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Carbon disulfide	0.00065	U	0.00065	0.00017	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Carbon tetrachloride	0.00065	U	0.00065	0.00025	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chlorobenzene	0.00065	U	0.00065	0.00012	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chlorobromomethane	0.00065	U	0.00065	0.00018	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chlorodibromomethane	0.00065	U	0.00065	0.00013	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chloroethane	0.00065	U	0.00065	0.00034	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chloroform	0.00065	U	0.00065	0.00063	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Chloromethane	0.00065	U	0.00065	0.00028	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
cis-1,2-Dichloroethene	0.00065	U	0.00065	0.00023	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
cis-1,3-Dichloropropene	0.00065	U	0.00065	0.00018	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Cyclohexane	0.00065	U	0.00065	0.00014	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Dichlorobromomethane	0.00065	U	0.00065	0.00017	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Dichlorodifluoromethane	0.00065	U	0.00065	0.00022	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Ethylbenzene	0.00065	U	0.00065	0.00013	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Ethylene Dibromide	0.00065	U	0.00065	0.00012	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Isopropylbenzene	0.00065	U	0.00065	0.00019	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Methyl acetate	0.0033	U	0.0033	0.0028	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Methyl tert-butyl ether	0.00065	U	0.00065	0.00033	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Methylcyclohexane	0.00065	U	0.00065	0.00033	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Methylene Chloride	0.0013	U	0.0013	0.00075	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
m-Xylene & p-Xylene	0.00065	U	0.00065	0.00011	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
n-Butylbenzene	0.00065	U	0.00065	0.00019	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
N-Propylbenzene	0.00065	U	0.00065	0.00011	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
o-Xylene	0.00065	U	0.00065	0.00013	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
sec-Butylbenzene	0.00065	U	0.00065	0.00019	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Styrene	0.00065	U	0.00065	0.00018	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
TBA	0.0065	U	0.0065	0.0051	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
tert-Butylbenzene	0.00065	U	0.00065	0.00018	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Tetrachloroethene	0.00065	U	0.00065	0.00020	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Toluene	0.00065	U	0.00065	0.00015	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
trans-1,2-Dichloroethene	0.00065	U	0.00065	0.00016	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
trans-1,3-Dichloropropene	0.00065	U	0.00065	0.00017	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Trichloroethene	0.00065	U	0.00065	0.00021	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Trichlorofluoromethane	0.00065	U	0.00065	0.00027	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Vinyl chloride	0.00065	U	0.00065	0.00036	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1
Xylenes, Total	0.0013	U	0.0013	0.00011	mg/Kg	☼	02/18/25 18:23	02/22/25 11:47	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:23*	*02/22/25 11:47*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*02/18/25 18:23*	*02/22/25 11:47*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*02/18/25 18:23*	*02/22/25 11:47*	*1*

Client Sample ID: 12I3_11-12

Lab Sample ID: 460-320634-36

Date Collected: 02/17/25 10:45
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:23*	*02/22/25 11:47*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:23*	*02/22/25 11:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12I3_10-11

Lab Sample ID: 460-320634-37

Date Collected: 02/17/25 10:50
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0019	U	0.0019	0.00045	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,1,2,2-Tetrachloroethane	0.0019	U	0.0019	0.00042	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0019	U	0.0019	0.00059	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,1,2-Trichloroethane	0.0019	U	0.0019	0.00035	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,1-Dichloroethane	0.0019	U	0.0019	0.00040	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,1-Dichloroethene	0.0019	U	0.0019	0.00044	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2,3-Trichlorobenzene	0.0019	U	0.0019	0.00035	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2,4-Trichlorobenzene	0.0019	U	0.0019	0.00070	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2,4-Trimethylbenzene	0.0019	U	0.0019	0.00048	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2-Dibromo-3-Chloropropane	0.0019	U	0.0019	0.00090	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2-Dichlorobenzene	0.0019	U	0.0019	0.00070	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2-Dichloroethane	0.0019	U	0.0019	0.00058	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,2-Dichloropropane	0.0019	U	0.0019	0.00082	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,3,5-Trimethylbenzene	0.0019	U	0.0019	0.00061	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,3-Dichlorobenzene	0.0019	U	0.0019	0.00071	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
1,4-Dichlorobenzene	0.0019	U	0.0019	0.00044	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
2-Butanone (MEK)	0.0097	U	0.0097	0.00072	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
2-Hexanone	0.0097	U	0.0097	0.0033	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
4-Methyl-2-pentanone (MIBK)	0.0097	U	0.0097	0.0030	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Acetone	0.012	U	0.012	0.011	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Acrolein	0.19	U	0.19	0.055	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Acrylonitrile	0.019	U	0.019	0.0095	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Benzene	0.0019	U	0.0019	0.00050	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Bromoform	0.0019	U	0.0019	0.00083	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Bromomethane	0.0039	U	0.0039	0.0019	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Carbon disulfide	0.0019	U	0.0019	0.00052	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Carbon tetrachloride	0.0019	U	0.0019	0.00075	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chlorobenzene	0.0019	U	0.0019	0.00034	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chlorobromomethane	0.0019	U	0.0019	0.00055	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chlorodibromomethane	0.0019	U	0.0019	0.00038	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chloroethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chloroform	0.0019	U	0.0019	0.0019	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Chloromethane	0.0019	U	0.0019	0.00085	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
cis-1,2-Dichloroethene	0.0019	U	0.0019	0.00070	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
cis-1,3-Dichloropropene	0.0019	U	0.0019	0.00053	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Cyclohexane	0.0019	U	0.0019	0.00043	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1

Client Sample ID: 12I3_10-11

Date Collected: 02/17/25 10:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-37

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.0019	U	0.0019	0.00050	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Dichlorodifluoromethane	0.0019	U	0.0019	0.00066	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Ethylbenzene	0.0019	U	0.0019	0.00039	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Ethylene Dibromide	0.0019	U	0.0019	0.00035	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Isopropylbenzene	0.0019	U	0.0019	0.00055	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Methyl acetate	0.0097	U	0.0097	0.0084	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Methyl tert-butyl ether	0.0019	U	0.0019	0.0010	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Methylcyclohexane	0.0019	U	0.0019	0.00097	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Methylene Chloride	0.0039	U	0.0039	0.0022	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
m-Xylene & p-Xylene	0.0019	U	0.0019	0.00034	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
n-Butylbenzene	0.0019	U	0.0019	0.00057	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
N-Propylbenzene	0.0019	U	0.0019	0.00034	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
o-Xylene	0.0019	U	0.0019	0.00038	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
sec-Butylbenzene	0.0019	U	0.0019	0.00056	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Styrene	0.0019	U	0.0019	0.00054	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
TBA	0.019	U	0.019	0.015	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
tert-Butylbenzene	0.0019	U	0.0019	0.00054	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Tetrachloroethene	0.0019	U	0.0019	0.00059	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Toluene	0.0019	U	0.0019	0.00046	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
trans-1,2-Dichloroethene	0.0019	U	0.0019	0.00048	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
trans-1,3-Dichloropropene	0.0019	U	0.0019	0.00052	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Trichloroethene	0.0019	U	0.0019	0.00062	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Trichlorofluoromethane	0.0019	U	0.0019	0.00079	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Vinyl chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1
Xylenes, Total	0.0039	U	0.0039	0.00034	mg/Kg	☼	02/18/25 18:23	02/22/25 12:12	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Heptane, 2,4-dimethyl-	*0.010*	*J N*	*mg/Kg*	☼	*6.89*	*2213-23-2*	*02/18/25 18:23*	*02/22/25 12:12*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*02/18/25 18:23*	*02/22/25 12:12*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*02/18/25 18:23*	*02/22/25 12:12*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*02/18/25 18:23*	*02/22/25 12:12*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:23*	*02/22/25 12:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12I1_3-4

Date Collected: 02/17/25 10:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-38

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.12	U	0.12	0.033	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,1,2,2-Tetrachloroethane	0.12	U	0.12	0.023	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.12	U	0.12	0.040	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,1,2-Trichloroethane	0.12	U	0.12	0.024	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,1-Dichloroethane	0.12	U	0.12	0.028	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50

Client Sample ID: 12I1_3-4
Date Collected: 02/17/25 10:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-38
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.12	U	0.12	0.031	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2,3-Trichlorobenzene	0.12	U	0.12	0.041	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2,4-Trichlorobenzene	0.12	U	0.12	0.031	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2,4-Trimethylbenzene	0.12	U	0.12	0.027	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2-Dibromo-3-Chloropropane	0.12	U	0.12	0.025	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2-Dichlorobenzene	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2-Dichloroethane	0.12	U	0.12	0.029	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,2-Dichloropropane	0.12	U	0.12	0.021	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,3,5-Trimethylbenzene	0.12	U	0.12	0.029	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,3-Dichlorobenzene	0.12	U	0.12	0.038	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
1,4-Dichlorobenzene	0.12	U	0.12	0.039	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
2-Butanone (MEK)	0.58	U	0.58	0.26	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
2-Hexanone	0.58	U	0.58	0.13	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
4-Methyl-2-pentanone (MIBK)	0.58	U	0.58	0.15	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Acetone	0.58	U	0.58	0.52	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Acrolein	0.58	U	0.58	0.28	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Acrylonitrile	1.2	U	1.2	0.21	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Benzene	**0.025**	**J**	0.12	0.024	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Bromoform	0.12	U	0.12	0.021	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Bromomethane	0.12	U *	0.12	0.065	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Carbon disulfide	0.12	U	0.12	0.079	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Carbon tetrachloride	0.12	U	0.12	0.038	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chlorobenzene	0.12	U	0.12	0.028	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chlorobromomethane	0.12	U	0.12	0.035	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chlorodibromomethane	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chloroethane	0.12	U *	0.12	0.043	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chloroform	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Chloromethane	0.12	U	0.12	0.047	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
cis-1,2-Dichloroethene	0.12	U	0.12	0.030	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
cis-1,3-Dichloropropene	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Cyclohexane	0.12	U	0.12	0.030	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Dichlorobromomethane	0.12	U	0.12	0.017	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Dichlorodifluoromethane	0.12	U	0.12	0.036	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Ethylbenzene	0.12	U	0.12	0.035	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Ethylene Dibromide	0.12	U	0.12	0.022	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Isopropylbenzene	0.12	U	0.12	0.037	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Methyl acetate	0.58	U	0.58	0.091	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Methyl tert-butyl ether	0.12	U	0.12	0.025	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Methylcyclohexane	0.12	U	0.12	0.085	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Methylene Chloride	0.12	U	0.12	0.024	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
m-Xylene & p-Xylene	**0.061**	**J**	0.12	0.033	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
n-Butylbenzene	0.12	U	0.12	0.031	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
N-Propylbenzene	0.12	U	0.12	0.034	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
o-Xylene	0.12	U	0.12	0.037	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
sec-Butylbenzene	0.12	U	0.12	0.036	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Styrene	0.12	U	0.12	0.020	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
TBA	1.2	U	1.2	0.97	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
tert-Butylbenzene	0.12	U	0.12	0.033	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Tetrachloroethene	0.12	U	0.12	0.042	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50

Client Sample ID: 12I1_3-4

Date Collected: 02/17/25 10:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-38

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.14**		0.12	0.029	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
trans-1,2-Dichloroethene	0.12	U	0.12	0.021	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
trans-1,3-Dichloropropene	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Trichloroethene	0.12	U	0.12	0.026	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Trichlorofluoromethane	0.12	U	0.12	0.037	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Vinyl chloride	0.12	U	0.12	0.023	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50
Xylenes, Total	**0.061**	**J**	0.23	0.033	mg/Kg	☼	02/18/25 16:45	02/24/25 10:11	50

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 16:45*	*02/24/25 10:11*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*60 - 150*	*02/18/25 16:45*	*02/24/25 10:11*	*50*
4-Bromofluorobenzene	*95*		*70 - 150*	*02/18/25 16:45*	*02/24/25 10:11*	*50*
Dibromofluoromethane (Surr)	*141*		*68 - 150*	*02/18/25 16:45*	*02/24/25 10:11*	*50*
Toluene-d8 (Surr)	*101*		*64 - 157*	*02/18/25 16:45*	*02/24/25 10:11*	*50*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12I1_6-7

Date Collected: 02/17/25 11:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-39

Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00030	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2-Dibromo-3-Chloropropane	0.0010	U *	0.0010	0.00046	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Acrolein	0.10	U	0.10	0.028	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1

Client Sample ID: 12I1_6-7
Date Collected: 02/17/25 11:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-39
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Bromomethane	0.0020	U *	0.0020	0.0010	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Methylene Chloride	**0.0019**	**J**	0.0020	0.0011	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
N-Propylbenzene	0.0010	U	0.0010	0.00017	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
TBA	0.010	U	0.010	0.0078	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Vinyl chloride	0.0010	U *	0.0010	0.00055	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	02/18/25 18:24	02/23/25 17:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:24*	*02/23/25 17:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*65 - 138*	*02/18/25 18:24*	*02/23/25 17:46*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/18/25 18:24*	*02/23/25 17:46*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*02/18/25 18:24*	*02/23/25 17:46*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*	*02/18/25 18:24*	*02/23/25 17:46*	*1*

Client Sample ID: 12I1_6-7

Lab Sample ID: 460-320634-39

Date Collected: 02/17/25 11:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	4.0		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	96.0		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12I2_9-10

Lab Sample ID: 460-320634-40

Date Collected: 02/17/25 11:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,1,2,2-Tetrachloroethane	0.00074	U	0.00074	0.00016	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,1,2-Trichloroethane	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,1-Dichloroethane	0.00074	U	0.00074	0.00015	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,1-Dichloroethene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2,3-Trichlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2,4-Trichlorobenzene	0.00074	U	0.00074	0.00026	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2,4-Trimethylbenzene	0.00074	U	0.00074	0.00018	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2-Dibromo-3-Chloropropane	0.00074	U	0.00074	0.00034	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2-Dichloroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,2-Dichloropropane	0.00074	U	0.00074	0.00031	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,3,5-Trimethylbenzene	0.00074	U	0.00074	0.00023	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,3-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
1,4-Dichlorobenzene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
2-Hexanone	0.0037	U	0.0037	0.0013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0011	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Acrolein	0.074	U	0.074	0.021	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Acrylonitrile	0.0074	U	0.0074	0.0036	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Benzene	0.00074	U	0.00074	0.00019	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Bromoform	0.00074	U	0.00074	0.00031	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Bromomethane	0.0015	U	0.0015	0.00074	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Carbon disulfide	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Carbon tetrachloride	0.00074	U	0.00074	0.00028	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chlorobenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chlorobromomethane	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chlorodibromomethane	0.00074	U	0.00074	0.00014	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chloroethane	0.00074	U	0.00074	0.00038	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chloroform	0.00074	U	0.00074	0.00071	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Chloromethane	0.00074	U	0.00074	0.00032	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
cis-1,2-Dichloroethene	0.00074	U	0.00074	0.00026	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
cis-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Cyclohexane	0.00074	U	0.00074	0.00016	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Dichlorobromomethane	0.00074	U	0.00074	0.00019	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Dichlorodifluoromethane	0.00074	U	0.00074	0.00025	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Ethylbenzene	0.00074	U	0.00074	0.00015	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Ethylene Dibromide	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Isopropylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1

Client Sample ID: 12I2_9-10

Date Collected: 02/17/25 11:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-40

Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0037	U	0.0037	0.0032	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Methyl tert-butyl ether	0.00074	U	0.00074	0.00038	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Methylcyclohexane	0.00074	U	0.00074	0.00037	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Methylene Chloride	**0.0010**	**J**	0.0015	0.00084	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
m-Xylene & p-Xylene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
n-Butylbenzene	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
N-Propylbenzene	0.00074	U	0.00074	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
o-Xylene	0.00074	U	0.00074	0.00014	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
sec-Butylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Styrene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
TBA	0.0074	U	0.0074	0.0058	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
tert-Butylbenzene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Tetrachloroethene	0.00074	U	0.00074	0.00022	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Toluene	0.00074	U	0.00074	0.00017	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
trans-1,2-Dichloroethene	0.00074	U	0.00074	0.00018	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
trans-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Trichloroethene	0.00074	U	0.00074	0.00024	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Trichlorofluoromethane	0.00074	U	0.00074	0.00030	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Vinyl chloride	0.00074	U	0.00074	0.00040	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	02/18/25 18:24	02/22/25 13:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:24*	*02/22/25 13:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*02/18/25 18:24*	*02/22/25 13:27*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:24*	*02/22/25 13:27*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:24*	*02/22/25 13:27*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:24*	*02/22/25 13:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**95.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12J2_9-10

Date Collected: 02/17/25 11:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-41

Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00022	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00019	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1

Client Sample ID: 12J2_9-10
Date Collected: 02/17/25 11:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-41
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
2-Butanone (MEK)	**0.0016**	**J**	0.0051	0.00038	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Acrolein	0.10	U	0.10	0.029	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Acrylonitrile	0.010	U	0.010	0.0050	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chlorobromomethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chlorodibromomethane	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
o-Xylene	0.0010	U	0.0010	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
TBA	0.010	U	0.010	0.0081	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1

Client Sample ID: 12J2_9-10

Date Collected: 02/17/25 11:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-41

Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 13:52	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.048*	*J*	*mg/Kg*	☼	*4.04*	*N/A*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Pentane, 2,3,4-trimethyl-	*0.034*	*J N*	*mg/Kg*	☼	*5.34*	*565-75-3*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Pentane, 2,3,3-trimethyl-	*0.039*	*J N*	*mg/Kg*	☼	*5.46*	*560-21-4*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Unknown	*0.0067*	*J*	*mg/Kg*	☼	*10.99*	*N/A*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Decahydro-4,4,8,9,10-pentamethylnaphthalene	*0.0055*	*J N*	*mg/Kg*	☼	*13.24*	*80655-44-3*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Unknown	*0.0052*	*J*	*mg/Kg*	☼	*13.72*	*N/A*	*02/18/25 18:25*	*02/22/25 13:52*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/18/25 18:25*	*02/22/25 13:52*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:25*	*02/22/25 13:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.7**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**92.3**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12J2_6-7

Date Collected: 02/17/25 11:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-42

Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00073	U	0.00073	0.00017	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,1,2,2-Tetrachloroethane	0.00073	U	0.00073	0.00016	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,1,2-Trichloroethane	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,1-Dichloroethane	0.00073	U	0.00073	0.00015	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,1-Dichloroethene	0.00073	U	0.00073	0.00016	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2,3-Trichlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2,4-Trimethylbenzene	0.00073	U	0.00073	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2-Dibromo-3-Chloropropane	0.00073	U	0.00073	0.00034	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2-Dichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2-Dichloroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,2-Dichloropropane	0.00073	U	0.00073	0.00031	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,3,5-Trimethylbenzene	0.00073	U	0.00073	0.00023	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,3-Dichlorobenzene	0.00073	U	0.00073	0.00027	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
1,4-Dichlorobenzene	0.00073	U	0.00073	0.00016	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
2-Hexanone	0.0037	U	0.0037	0.0012	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0011	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Acrolein	0.073	U	0.073	0.020	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Acrylonitrile	0.0073	U	0.0073	0.0036	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1

Client Sample ID: 12J2_6-7
Date Collected: 02/17/25 11:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-42
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00073	U	0.00073	0.00019	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Bromoform	0.00073	U	0.00073	0.00031	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Bromomethane	0.0015	U	0.0015	0.00073	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Carbon disulfide	0.00073	U	0.00073	0.00019	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Carbon tetrachloride	0.00073	U	0.00073	0.00028	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chlorobenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chlorobromomethane	0.00073	U	0.00073	0.00021	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chlorodibromomethane	0.00073	U	0.00073	0.00014	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chloroform	0.00073	U	0.00073	0.00071	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Chloromethane	0.00073	U	0.00073	0.00032	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
cis-1,2-Dichloroethene	0.00073	U	0.00073	0.00026	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
cis-1,3-Dichloropropene	0.00073	U	0.00073	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Cyclohexane	0.00073	U	0.00073	0.00016	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Dichlorobromomethane	0.00073	U	0.00073	0.00019	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Dichlorodifluoromethane	0.00073	U	0.00073	0.00025	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Ethylbenzene	0.00073	U	0.00073	0.00015	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Ethylene Dibromide	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Isopropylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Methyl acetate	0.0037	U	0.0037	0.0031	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Methyl tert-butyl ether	0.00073	U	0.00073	0.00037	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Methylcyclohexane	0.00073	U	0.00073	0.00036	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Methylene Chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
m-Xylene & p-Xylene	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
n-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
N-Propylbenzene	0.00073	U	0.00073	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
o-Xylene	0.00073	U	0.00073	0.00014	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
sec-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Styrene	0.00073	U	0.00073	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
TBA	0.0073	U	0.0073	0.0057	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
tert-Butylbenzene	0.00073	U	0.00073	0.00020	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Tetrachloroethene	0.00073	U	0.00073	0.00022	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Toluene	0.00073	U	0.00073	0.00017	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
trans-1,2-Dichloroethene	0.00073	U	0.00073	0.00018	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
trans-1,3-Dichloropropene	0.00073	U	0.00073	0.00019	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Trichloroethene	0.00073	U	0.00073	0.00023	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Trichlorofluoromethane	0.00073	U	0.00073	0.00030	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Vinyl chloride	0.00073	U	0.00073	0.00040	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	02/18/25 18:25	02/22/25 14:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:25*	*02/22/25 14:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*02/18/25 18:25*	*02/22/25 14:17*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*02/18/25 18:25*	*02/22/25 14:17*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*02/18/25 18:25*	*02/22/25 14:17*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:25*	*02/22/25 14:17*	*1*

Client Sample ID: 12J2_6-7

Date Collected: 02/17/25 11:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-42

Matrix: Solid
Percent Solids: 95.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.0		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	95.0		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12J1_1-2

Date Collected: 02/17/25 11:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-43

Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Acrolein	0.11	U	0.11	0.031	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Acrylonitrile	0.011	U	0.011	0.0054	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1

Client Sample ID: 12J1_1-2

Date Collected: 02/17/25 11:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-43
Matrix: Solid
Percent Solids: 95.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
TBA	0.011	U	0.011	0.0087	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 14:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:26*	*02/22/25 14:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*02/18/25 18:26*	*02/22/25 14:42*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:26*	*02/22/25 14:42*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:26*	*02/22/25 14:42*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*02/18/25 18:26*	*02/22/25 14:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**95.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12J1_4-5

Date Collected: 02/17/25 11:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-44
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1

Client Sample ID: 12J1_4-5
Date Collected: 02/17/25 11:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-44
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Acrolein	0.11	U	0.11	0.031	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Acrylonitrile	0.011	U	0.011	0.0053	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Benzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chlorodibromomethane	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
o-Xylene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
TBA	0.011	U	0.011	0.0086	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1

Client Sample ID: 12J1_4-5

Date Collected: 02/17/25 11:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-44
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:26	02/22/25 15:08	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:26*	*02/22/25 15:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*02/18/25 18:26*	*02/22/25 15:08*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*02/18/25 18:26*	*02/22/25 15:08*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*02/18/25 18:26*	*02/22/25 15:08*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:26*	*02/22/25 15:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.0**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**90.0**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 16I2_5-6

Date Collected: 02/17/25 12:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-45
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2-Dibromo-3-Chloropropane	0.00092	U	0.00092	0.00042	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Acrolein	0.092	U	0.092	0.026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Acrylonitrile	0.0092	U	0.0092	0.0045	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Carbon tetrachloride	0.00092	U	0.00092	0.00035	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1

Client Sample ID: 16I2_5-6
Date Collected: 02/17/25 12:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-45
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Ethylene Dibromide	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Styrene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
TBA	0.0092	U	0.0092	0.0072	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Toluene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Trichloroethene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 15:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:27*	*02/22/25 15:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:27*	*02/22/25 15:32*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*02/18/25 18:27*	*02/22/25 15:32*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/18/25 18:27*	*02/22/25 15:32*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:27*	*02/22/25 15:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**92.4**		1.0	1.0	%			02/18/25 08:09	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 16F1_9-10
Date Collected: 02/17/25 12:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-46
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Acrolein	0.11	U	0.11	0.031	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Acrylonitrile	0.011	U	0.011	0.0054	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Benzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chlorobenzene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chlorobromomethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chlorodibromomethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Ethylbenzene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Ethylene Dibromide	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
N-Propylbenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
o-Xylene	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1

Client Sample ID: 16F1_9-10

Lab Sample ID: 460-320634-46
Date Collected: 02/17/25 12:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
TBA	0.011	U	0.011	0.0087	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 15:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:27*	*02/22/25 15:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*02/18/25 18:27*	*02/22/25 15:57*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*02/18/25 18:27*	*02/22/25 15:57*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*02/18/25 18:27*	*02/22/25 15:57*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*02/18/25 18:27*	*02/22/25 15:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.4**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.6**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12A1_1-2

Lab Sample ID: 460-320634-47
Date Collected: 02/17/25 13:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00018	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00020	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1

Client Sample ID: 12A1_1-2
Date Collected: 02/17/25 13:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-47
Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Acrolein	0.088	U	0.088	0.025	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Acrylonitrile	0.0088	U	0.0088	0.0043	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Benzene	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chlorobenzene	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chlorobromomethane	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chlorodibromomethane	0.00088	U	0.00088	0.00017	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Ethylbenzene	0.00088	U	0.00088	0.00017	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Ethylene Dibromide	0.00088	U	0.00088	0.00016	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00015	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
N-Propylbenzene	0.00088	U	0.00088	0.00015	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
o-Xylene	0.00088	U	0.00088	0.00017	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
TBA	0.0088	U	0.0088	0.0069	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	02/18/25 18:27	02/22/25 16:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:27*	*02/22/25 16:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*02/18/25 18:27*	*02/22/25 16:22*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*02/18/25 18:27*	*02/22/25 16:22*	*1*

Client Sample ID: 12A1_1-2

Lab Sample ID: 460-320634-47

Date Collected: 02/17/25 13:05
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*02/18/25 18:27*	*02/22/25 16:22*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*02/18/25 18:27*	*02/22/25 16:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.6**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**96.4**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12A2_1-2

Lab Sample ID: 460-320634-48

Date Collected: 02/17/25 13:10
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00030	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U *	0.0014	0.00042	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00029	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2-Dibromo-3-Chloropropane	0.0014	U *	0.0014	0.00065	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00032	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00052	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Acrolein	0.14	U	0.14	0.039	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Acrylonitrile	0.014	U	0.014	0.0068	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Benzene	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Bromomethane	0.0028	U *	0.0028	0.0014	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chlorobenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chlorobromomethane	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chlorodibromomethane	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1

Client Sample ID: 12A2_1-2

Lab Sample ID: 460-320634-48

Date Collected: 02/17/25 13:10
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Ethylbenzene	0.0014	U	0.0014	0.00028	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Ethylene Dibromide	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Methylene Chloride	**0.0020**	**J**	0.0028	0.0016	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00024	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
N-Propylbenzene	0.0014	U	0.0014	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
o-Xylene	0.0014	U	0.0014	0.00027	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
TBA	0.014	U	0.014	0.011	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Vinyl chloride	0.0014	U *	0.0014	0.00077	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	02/18/25 18:28	02/23/25 15:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:28*	*02/23/25 15:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*65 - 138*	*02/18/25 18:28*	*02/23/25 15:28*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*02/18/25 18:28*	*02/23/25 15:28*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*02/18/25 18:28*	*02/23/25 15:28*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*	*02/18/25 18:28*	*02/23/25 15:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12A3_1-2

Lab Sample ID: 460-320634-49

Date Collected: 02/17/25 13:15
Date Received: 02/17/25 16:21

Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00038	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1

Client Sample ID: 12A3_1-2
Date Collected: 02/17/25 13:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-49
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2-Dibromo-3-Chloropropane	0.0013	U *	0.0013	0.00058	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
2-Hexanone	0.0063	U	0.0063	0.0021	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Acrolein	0.13	U	0.13	0.035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Acrylonitrile	0.013	U	0.013	0.0061	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Benzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Bromoform	0.0013	U	0.0013	0.00053	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Bromomethane	0.0025	U *	0.0025	0.0013	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Carbon disulfide	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chlorobenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chlorodibromomethane	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00042	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Methylene Chloride	**0.0017**	**J**	0.0025	0.0014	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
o-Xylene	0.0013	U	0.0013	0.00024	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
TBA	0.013	U	0.013	0.0099	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1

Client Sample ID: 12A3_1-2

Date Collected: 02/17/25 13:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-49

Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Vinyl chloride	0.0013	U *	0.0013	0.00069	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	02/18/25 18:28	02/23/25 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:28*	*02/23/25 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*65 - 138*	*02/18/25 18:28*	*02/23/25 15:51*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*	*02/18/25 18:28*	*02/23/25 15:51*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*02/18/25 18:28*	*02/23/25 15:51*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*	*02/18/25 18:28*	*02/23/25 15:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.0**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**96.0**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12A3_5-6

Date Collected: 02/17/25 13:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-50

Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U *	0.0011	0.00032	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00022	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2-Dibromo-3-Chloropropane	0.0011	U *	0.0011	0.00049	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2-Dichloroethane	**0.0019**		0.0011	0.00031	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00024	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0016	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Acrolein	0.11	U	0.11	0.030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Acrylonitrile	0.011	U	0.011	0.0051	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Benzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1

Client Sample ID: 12A3_5-6
Date Collected: 02/17/25 13:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-50
Matrix: Solid
Percent Solids: 94.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Bromomethane	0.0021	U *	0.0021	0.0011	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chlorobenzene	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chlorobromomethane	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chlorodibromomethane	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Ethylbenzene	0.0011	U	0.0011	0.00021	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Ethylene Dibromide	0.0011	U	0.0011	0.00019	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Methyl acetate	0.0053	U	0.0053	0.0045	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
N-Propylbenzene	0.0011	U	0.0011	0.00018	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
o-Xylene	0.0011	U	0.0011	0.00020	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
sec-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Styrene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
TBA	0.011	U	0.011	0.0083	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Vinyl chloride	0.0011	U *	0.0011	0.00058	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	02/18/25 18:29	02/23/25 16:14	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:29*	*02/23/25 16:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*65 - 138*	*02/18/25 18:29*	*02/23/25 16:14*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*02/18/25 18:29*	*02/23/25 16:14*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*02/18/25 18:29*	*02/23/25 16:14*	*1*
Toluene-d8 (Surr)	*109*		*71 - 126*	*02/18/25 18:29*	*02/23/25 16:14*	*1*

Client Sample ID: 12A3_5-6

Lab Sample ID: 460-320634-50

Date Collected: 02/17/25 13:20
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.3		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	94.7		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: 12A2_9-10

Lab Sample ID: 460-320634-51

Date Collected: 02/17/25 13:25
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00027	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0013	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00026	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2-Dibromo-3-Chloropropane	0.0013	U *	0.0013	0.00059	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00029	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Acrolein	0.13	U	0.13	0.036	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Acrylonitrile	0.013	U	0.013	0.0062	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Benzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Bromoform	0.0013	U	0.0013	0.00054	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Bromomethane	0.0026	U *	0.0026	0.0013	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chlorobenzene	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chlorobromomethane	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chlorodibromomethane	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Ethylbenzene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Ethylene Dibromide	0.0013	U	0.0013	0.00023	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1

Client Sample ID: 12A2_9-10

Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-51

Matrix: Solid
Percent Solids: 97.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
N-Propylbenzene	0.0013	U	0.0013	0.00022	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
o-Xylene	0.0013	U	0.0013	0.00025	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
TBA	0.013	U	0.013	0.010	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Vinyl chloride	0.0013	U *	0.0013	0.00070	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	02/18/25 18:29	02/23/25 16:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼		*N/A*	*02/18/25 18:29*	*02/23/25 16:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*65 - 138*	*02/18/25 18:29*	*02/23/25 16:37*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*02/18/25 18:29*	*02/23/25 16:37*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*02/18/25 18:29*	*02/23/25 16:37*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*	*02/18/25 18:29*	*02/23/25 16:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**2.2**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**97.8**		1.0	1.0	%			02/18/25 08:09	1

Client Sample ID: TB-01_20250217

Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-52

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/20/25 18:27	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			02/20/25 18:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/20/25 18:27	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			02/20/25 18:27	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/20/25 18:27	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/20/25 18:27	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/20/25 18:27	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/20/25 18:27	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/20/25 18:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/20/25 18:27	1

Client Sample ID: TB-01_20250217
Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-52
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			02/20/25 18:27	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			02/20/25 18:27	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/20/25 18:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/20/25 18:27	1
1,4-Dioxane	50	U	50	28	ug/L			02/20/25 18:27	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/20/25 18:27	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/20/25 18:27	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/20/25 18:27	1
Acetone	5.0	U	5.0	4.4	ug/L			02/20/25 18:27	1
Benzene	0.45	U	0.45	0.070	ug/L			02/20/25 18:27	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/20/25 18:27	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/20/25 18:27	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/20/25 18:27	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/20/25 18:27	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/20/25 18:27	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/20/25 18:27	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			02/20/25 18:27	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/20/25 18:27	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/20/25 18:27	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/20/25 18:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/20/25 18:27	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			02/20/25 18:27	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/20/25 18:27	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			02/20/25 18:27	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/20/25 18:27	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/20/25 18:27	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/20/25 18:27	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/20/25 18:27	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/20/25 18:27	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/20/25 18:27	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/20/25 18:27	1
Methylene Chloride	**1.2**		1.0	0.32	ug/L			02/20/25 18:27	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/20/25 18:27	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/20/25 18:27	1
Styrene	1.0	U	1.0	0.42	ug/L			02/20/25 18:27	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			02/20/25 18:27	1
Toluene	1.0	U	1.0	0.38	ug/L			02/20/25 18:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/20/25 18:27	1
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			02/20/25 18:27	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			02/20/25 18:27	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/20/25 18:27	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/20/25 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*		*02/20/25 18:27*	*1*
4-Bromofluorobenzene	*101*		*76 - 120*		*02/20/25 18:27*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*02/20/25 18:27*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/20/25 18:27*	*1*

Client Sample ID: 12J3_11-12

Date Collected: 02/17/25 11:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-53

Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U *	0.00092	0.00028	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00019	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00017	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2-Dibromo-3-Chloropropane	0.00092	U *	0.00092	0.00042	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00034	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00021	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Acetone	0.0055	U	0.0055	0.0053	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Acrolein	0.092	U	0.092	0.026	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Acrylonitrile	0.0092	U	0.0092	0.0045	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Benzene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Bromomethane	0.0018	U *	0.0018	0.00092	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Carbon tetrachloride	0.00092	U	0.00092	0.00036	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chlorobenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chlorobromomethane	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chlorodibromomethane	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Ethylbenzene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Ethylene Dibromide	0.00092	U	0.00092	0.00017	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Methylene Chloride	0.0018	U	0.0018	0.0011	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
N-Propylbenzene	0.00092	U	0.00092	0.00016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
o-Xylene	0.00092	U	0.00092	0.00018	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1

Client Sample ID: 12J3_11-12
Date Collected: 02/17/25 11:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-53
Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Styrene	0.00092	U	0.00092	0.00026	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
TBA	0.0092	U	0.0092	0.0072	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Toluene	0.00092	U	0.00092	0.00022	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00024	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Trichloroethene	0.00092	U	0.00092	0.00030	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Vinyl chloride	0.00092	U *	0.00092	0.00050	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	02/18/25 18:30	02/23/25 17:00	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Heptane, 2,4-dimethyl-	*0.0071*	*J N*	*mg/Kg*	☼	*8.27*	*2213-23-2*	*02/18/25 18:30*	*02/23/25 17:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*65 - 138*	*02/18/25 18:30*	*02/23/25 17:00*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*	*02/18/25 18:30*	*02/23/25 17:00*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*02/18/25 18:30*	*02/23/25 17:00*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*	*02/18/25 18:30*	*02/23/25 17:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			02/18/25 08:09	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			02/18/25 08:09	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-320634-1	12B2_4-5	111	98	107	99
460-320634-2	12B2_1-2	109	96	105	98
460-320634-3	12B3_1-2	100	98	99	99
460-320634-4	12B3_5-6	100	96	99	97
460-320634-5	12B3_9-10	107	95	105	98
460-320634-6	12C1_9-10	107	94	106	98
460-320634-7	12C2_9-10	107	96	106	100
460-320634-8	12C2_8-9	111	99	108	99
460-320634-9	12C2_1-2	114	97	112	102
460-320634-10	12C3_2-3	107	98	109	99
460-320634-11	12D1_3-4	110	97	109	101
460-320634-12	12D2_2-3	104	93	105	97
460-320634-13	12D2_9-10	111	97	109	99
460-320634-14	12D3_5-6	111	99	109	99
460-320634-15	12D3_9-10	107	96	108	101
460-320634-16	12E3_8-9	112	96	108	99
460-320634-17	12E_9-10	109	96	107	99
460-320634-18	12E1_1-2	108	94	107	97
460-320634-19	12E1_6-7	109	95	108	98
460-320634-20	12E1_8-9	108	94	107	97
460-320634-21	12F3_1-2	110	96	108	99
460-320634-22	12F2_9-2	108	99	108	101
460-320634-23	12F1_2-3	114	96	111	99
460-320634-24	12F1_9-10	110	98	110	101
460-320634-25	12F1_8-9	111	96	110	99
460-320634-26	12G3_1-2	111	96	108	97
460-320634-27	12G3_8-9	114	97	112	100
460-320634-28	12G3_9-10	113	95	109	99
460-320634-29	12G2_9-10	106	93	106	97
460-320634-30	12G1_9-10	96	93	96	95
460-320634-31	12H3_1-2	101	97	101	99
460-320634-32	12H3_9-10	100	95	99	96
460-320634-33	12H3_8-9	98	96	99	98
460-320634-34	12H2_9-10	96	98	97	96
460-320634-35	12H1_8-9	98	97	98	97
460-320634-36	12I3_11-12	99	94	99	96
460-320634-37	12I3_10-11	104	98	101	97
460-320634-39	12I1_6-7	121	106	118	105
460-320634-40	12I2_9-10	101	96	99	96
460-320634-41	12J2_9-10	100	99	98	97
460-320634-42	12J2_6-7	114	102	104	99
460-320634-43	12J1_1-2	101	97	99	99
460-320634-44	12J1_4-5	103	97	99	97
460-320634-45	16I2_5-6	100	94	98	96
460-320634-46	16F1_9-10	95	96	97	97
460-320634-47	12A1_1-2	100	95	98	96
460-320634-48	12A2_1-2	121	106	116	105
460-320634-49	12A3_1-2	120	108	121	107
460-320634-50	12A3_5-6	123	107	121	109

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-320634-51	12A2_9-10	119	105	118	103
460-320634-53	12J3_11-12	120	108	119	107
LCS 460-1022286/3	Lab Control Sample	107	98	105	103
LCS 460-1022347/3	Lab Control Sample	102	100	106	102
LCS 460-1022461/3	Lab Control Sample	107	99	110	103
LCS 460-1022579/3	Lab Control Sample	119	105	121	106
LCSD 460-1022286/4	Lab Control Sample Dup	105	101	106	101
LCSD 460-1022347/4	Lab Control Sample Dup	104	99	105	103
LCSD 460-1022461/4	Lab Control Sample Dup	106	99	109	103
LCSD 460-1022579/4	Lab Control Sample Dup	115	101	116	106
MB 460-1022286/7	Method Blank	105	98	107	102
MB 460-1022347/7	Method Blank	103	98	107	102
MB 460-1022461/7	Method Blank	98	96	100	98
MB 460-1022579/7	Method Blank	126	108	120	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(60-150)	(70-150)	(68-150)	(64-157)
460-320634-38	12I1_3-4	111	95	141	101
LCS 460-1022652/4	Lab Control Sample	115	88	111	104
LCSD 460-1022652/5	Lab Control Sample Dup	117	89	115	105
MB 460-1022652/9	Method Blank	115	85	114	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-320491-A-1 MS	Matrix Spike	95	103	100	99
460-320491-A-1 MSD	Matrix Spike Duplicate	95	104	100	99
460-320634-52	TB-01_20250217	95	101	100	101
LCS 460-1022117/4	Lab Control Sample	95	103	100	99
LCSD 460-1022117/5	Lab Control Sample Dup	95	102	100	98
MB 460-1022117/8	Method Blank	96	102	100	101

Surrogate Legend

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1022117/8
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			02/20/25 11:34	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.085	ug/L			02/20/25 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			02/20/25 11:34	1
1,1,2-Trichloroethane	0.58	U	0.58	0.19	ug/L			02/20/25 11:34	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			02/20/25 11:34	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			02/20/25 11:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			02/20/25 11:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			02/20/25 11:34	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			02/20/25 11:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			02/20/25 11:34	1
1,4-Dioxane	50	U	50	28	ug/L			02/20/25 11:34	1
1,2-Dichloroethane	0.30	U	0.30	0.087	ug/L			02/20/25 11:34	1
1,2-Dichloropropane	0.92	U	0.92	0.074	ug/L			02/20/25 11:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			02/20/25 11:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			02/20/25 11:34	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			02/20/25 11:34	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			02/20/25 11:34	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			02/20/25 11:34	1
Acetone	5.0	U	5.0	4.4	ug/L			02/20/25 11:34	1
Benzene	0.45	U	0.45	0.070	ug/L			02/20/25 11:34	1
Bromoform	1.0	U	1.0	0.54	ug/L			02/20/25 11:34	1
Bromomethane	1.0	U	1.0	0.55	ug/L			02/20/25 11:34	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			02/20/25 11:34	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			02/20/25 11:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			02/20/25 11:34	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			02/20/25 11:34	1
Chlorodibromomethane	0.78	U	0.78	0.086	ug/L			02/20/25 11:34	1
Chloroethane	1.0	U	1.0	0.32	ug/L			02/20/25 11:34	1
Chloroform	1.0	U	1.0	0.33	ug/L			02/20/25 11:34	1
Chloromethane	1.0	U	1.0	0.40	ug/L			02/20/25 11:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			02/20/25 11:34	1
cis-1,3-Dichloropropene	0.45	U	0.45	0.069	ug/L			02/20/25 11:34	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			02/20/25 11:34	1
Dichlorobromomethane	0.98	U	0.98	0.15	ug/L			02/20/25 11:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			02/20/25 11:34	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			02/20/25 11:34	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			02/20/25 11:34	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			02/20/25 11:34	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			02/20/25 11:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			02/20/25 11:34	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			02/20/25 11:34	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			02/20/25 11:34	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			02/20/25 11:34	1
o-Xylene	1.0	U	1.0	0.36	ug/L			02/20/25 11:34	1
Styrene	1.0	U	1.0	0.42	ug/L			02/20/25 11:34	1
Tetrachloroethene	0.40	U	0.40	0.28	ug/L			02/20/25 11:34	1
Toluene	1.0	U	1.0	0.38	ug/L			02/20/25 11:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			02/20/25 11:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022117/8
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.45	U	0.45	0.12	ug/L			02/20/25 11:34	1
Trichloroethene	0.28	U	0.28	0.074	ug/L			02/20/25 11:34	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			02/20/25 11:34	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			02/20/25 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 128*		*02/20/25 11:34*	*1*
4-Bromofluorobenzene	*102*		*76 - 120*		*02/20/25 11:34*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 132*		*02/20/25 11:34*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/20/25 11:34*	*1*

Lab Sample ID: LCS 460-1022117/4
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.3		ug/L		107	72 - 128
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		102	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.0		ug/L		105	65 - 142
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	74 - 125
1,1-Dichloroethane	20.0	21.1		ug/L		106	73 - 130
1,1-Dichloroethene	20.0	22.3		ug/L		111	68 - 133
1,2,3-Trichlorobenzene	20.0	23.2		ug/L		116	55 - 150
1,2,4-Trichlorobenzene	20.0	22.3		ug/L		111	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	21.1		ug/L		105	58 - 132
1,2-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
1,4-Dioxane	400	474		ug/L		119	42 - 150
1,2-Dichloroethane	20.0	18.8		ug/L		94	66 - 129
1,2-Dichloropropane	20.0	20.1		ug/L		101	72 - 128
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120
2-Butanone (MEK)	100	96.6		ug/L		97	65 - 142
2-Hexanone	100	104		ug/L		104	72 - 134
4-Methyl-2-pentanone (MIBK)	100	97.1		ug/L		97	77 - 130
Acetone	100	93.0		ug/L		93	60 - 133
Benzene	20.0	20.0		ug/L		100	71 - 126
Bromoform	20.0	21.1		ug/L		105	58 - 128
Bromomethane	20.0	13.4		ug/L		67	33 - 150
Carbon disulfide	20.0	20.1		ug/L		101	35 - 150
Carbon tetrachloride	20.0	20.9		ug/L		104	65 - 131
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120
Chlorobromomethane	20.0	19.8		ug/L		99	71 - 134
Chlorodibromomethane	20.0	20.6		ug/L		103	73 - 121
Chloroethane	20.0	18.7		ug/L		93	54 - 150
Chloroform	20.0	20.8		ug/L		104	78 - 125
Chloromethane	20.0	14.7		ug/L		73	43 - 149
cis-1,2-Dichloroethene	20.0	21.3		ug/L		107	78 - 121
cis-1,3-Dichloropropene	20.0	20.4		ug/L		102	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022117/4
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyclohexane	20.0	21.5		ug/L		107	64 - 142
Dichlorobromomethane	20.0	20.7		ug/L		103	76 - 121
Dichlorodifluoromethane	20.0	16.0		ug/L		80	38 - 144
Ethylbenzene	20.0	20.5		ug/L		103	78 - 120
Ethylene Dibromide	20.0	22.0		ug/L		110	79 - 126
Isopropylbenzene	20.0	21.7		ug/L		109	79 - 125
Methyl acetate	40.0	40.2		ug/L		100	50 - 147
Methyl tert-butyl ether	20.0	20.8		ug/L		104	72 - 131
Methylcyclohexane	20.0	23.2		ug/L		116	63 - 138
Methylene Chloride	20.0	20.6		ug/L		103	74 - 127
m-Xylene & p-Xylene	20.0	21.1		ug/L		106	78 - 120
o-Xylene	20.0	20.7		ug/L		104	78 - 120
Styrene	20.0	22.0		ug/L		110	82 - 127
Tetrachloroethene	20.0	21.0		ug/L		105	70 - 127
Toluene	20.0	20.6		ug/L		103	78 - 120
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	70 - 126
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	71 - 127
Trichloroethene	20.0	20.4		ug/L		102	73 - 121
Trichlorofluoromethane	20.0	18.8		ug/L		94	62 - 134
Vinyl chloride	20.0	16.4		ug/L		82	55 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 460-1022117/5
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	22.7		ug/L		114	72 - 128	6	30
1,1,2,2-Tetrachloroethane	20.0	21.3		ug/L		106	63 - 139	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.6		ug/L		108	65 - 142	3	30
1,1,2-Trichloroethane	20.0	22.3		ug/L		111	74 - 125	5	30
1,1-Dichloroethane	20.0	22.5		ug/L		112	73 - 130	6	30
1,1-Dichloroethene	20.0	23.8		ug/L		119	68 - 133	7	30
1,2,3-Trichlorobenzene	20.0	24.8		ug/L		124	55 - 150	7	30
1,2,4-Trichlorobenzene	20.0	23.6		ug/L		118	67 - 132	6	30
1,2-Dibromo-3-Chloropropane	20.0	22.6		ug/L		113	58 - 132	7	30
1,2-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120	5	30
1,4-Dioxane	400	479		ug/L		120	42 - 150	1	30
1,2-Dichloroethane	20.0	19.9		ug/L		100	66 - 129	6	30
1,2-Dichloropropane	20.0	21.3		ug/L		107	72 - 128	6	30
1,3-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120	6	30
1,4-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120	6	30
2-Butanone (MEK)	100	98.1		ug/L		98	65 - 142	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022117/5
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			100	102		ug/L		102	72 - 134	1	30
4-Methyl-2-pentanone (MIBK)			100	97.5		ug/L		98	77 - 130	0	30
Acetone			100	95.2		ug/L		95	60 - 133	2	30
Benzene			20.0	21.0		ug/L		105	71 - 126	5	30
Bromoform			20.0	22.4		ug/L		112	58 - 128	6	30
Bromomethane			20.0	14.9		ug/L		75	33 - 150	11	30
Carbon disulfide			20.0	21.4		ug/L		107	35 - 150	6	30
Carbon tetrachloride			20.0	22.4		ug/L		112	65 - 131	7	30
Chlorobenzene			20.0	22.5		ug/L		113	80 - 120	6	30
Chlorobromomethane			20.0	21.7		ug/L		109	71 - 134	9	30
Chlorodibromomethane			20.0	22.0		ug/L		110	73 - 121	6	30
Chloroethane			20.0	19.2		ug/L		96	54 - 150	2	30
Chloroform			20.0	22.4		ug/L		112	78 - 125	7	30
Chloromethane			20.0	15.5		ug/L		77	43 - 149	5	30
cis-1,2-Dichloroethene			20.0	22.1		ug/L		111	78 - 121	4	30
cis-1,3-Dichloropropene			20.0	21.9		ug/L		110	74 - 125	7	30
Cyclohexane			20.0	22.3		ug/L		111	64 - 142	4	30
Dichlorobromomethane			20.0	21.7		ug/L		108	76 - 121	5	30
Dichlorodifluoromethane			20.0	17.0		ug/L		85	38 - 144	6	30
Ethylbenzene			20.0	22.1		ug/L		111	78 - 120	7	30
Ethylene Dibromide			20.0	23.1		ug/L		116	79 - 126	5	30
Isopropylbenzene			20.0	22.8		ug/L		114	79 - 125	5	30
Methyl acetate			40.0	42.0		ug/L		105	50 - 147	4	30
Methyl tert-butyl ether			20.0	22.4		ug/L		112	72 - 131	7	30
Methylcyclohexane			20.0	23.8		ug/L		119	63 - 138	3	30
Methylene Chloride			20.0	21.6		ug/L		108	74 - 127	5	30
m-Xylene & p-Xylene			20.0	22.6		ug/L		113	78 - 120	7	30
o-Xylene			20.0	22.2		ug/L		111	78 - 120	7	30
Styrene			20.0	23.0		ug/L		115	82 - 127	4	30
Tetrachloroethene			20.0	22.4		ug/L		112	70 - 127	7	30
Toluene			20.0	22.1		ug/L		111	78 - 120	7	30
trans-1,2-Dichloroethene			20.0	22.8		ug/L		114	70 - 126	7	30
trans-1,3-Dichloropropene			20.0	21.6		ug/L		108	71 - 127	6	30
Trichloroethene			20.0	22.1		ug/L		110	73 - 121	8	30
Trichlorofluoromethane			20.0	20.0		ug/L		100	62 - 134	7	30
Vinyl chloride			20.0	18.0		ug/L		90	55 - 144	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
4-Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-320491-A-1 MS
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	20.0	20.8		ug/L		104	72 - 128
1,1,2,2-Tetrachloroethane	0.20	U	20.0	19.7		ug/L		98	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	23.0		ug/L		115	65 - 142
1,1,2-Trichloroethane	0.58	U	20.0	20.4		ug/L		102	74 - 125
1,1-Dichloroethane	1.0	U	20.0	20.8		ug/L		104	73 - 130
1,1-Dichloroethene	1.0	U	20.0	22.6		ug/L		113	68 - 133
1,2,3-Trichlorobenzene	1.0	U	20.0	20.0		ug/L		100	55 - 150
1,2,4-Trichlorobenzene	1.0	U	20.0	19.4		ug/L		97	67 - 132
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	18.7		ug/L		93	58 - 132
1,2-Dichlorobenzene	1.0	U	20.0	20.3		ug/L		101	80 - 120
1,4-Dioxane	50	U	400	444		ug/L		111	42 - 150
1,2-Dichloroethane	0.30	U	20.0	18.5		ug/L		93	66 - 129
1,2-Dichloropropane	0.92	U	20.0	20.4		ug/L		102	72 - 128
1,3-Dichlorobenzene	1.0	U	20.0	20.1		ug/L		101	80 - 120
1,4-Dichlorobenzene	1.0	U	20.0	19.5		ug/L		97	80 - 120
2-Butanone (MEK)	5.0	U	100	121		ug/L		121	65 - 142
2-Hexanone	5.0	U	100	126		ug/L		126	72 - 134
4-Methyl-2-pentanone (MIBK)	5.0	U	100	124		ug/L		124	77 - 130
Acetone	5.0	U	100	116		ug/L		116	60 - 133
Benzene	0.45	U	20.0	20.0		ug/L		100	71 - 126
Bromoform	1.0	U	20.0	19.7		ug/L		98	58 - 128
Bromomethane	1.0	U	20.0	6.36	*	ug/L		32	33 - 150
Carbon disulfide	1.0	U	20.0	19.4		ug/L		97	35 - 150
Carbon tetrachloride	1.0	U	20.0	20.2		ug/L		101	65 - 131
Chlorobenzene	1.0	U	20.0	20.5		ug/L		103	80 - 120
Chlorobromomethane	1.0	U	20.0	17.7		ug/L		88	71 - 134
Chlorodibromomethane	0.78	U	20.0	20.0		ug/L		100	73 - 121
Chloroethane	1.0	U	20.0	25.5		ug/L		128	54 - 150
Chloroform	0.91	J	20.0	21.7		ug/L		104	78 - 125
Chloromethane	1.0	U	20.0	15.3		ug/L		77	43 - 149
cis-1,2-Dichloroethene	1.0	U	20.0	20.8		ug/L		104	78 - 121
cis-1,3-Dichloropropene	0.45	U	20.0	19.6		ug/L		98	74 - 125
Cyclohexane	1.0	U	20.0	22.8		ug/L		114	64 - 142
Dichlorobromomethane	0.98	U	20.0	20.0		ug/L		100	76 - 121
Dichlorodifluoromethane	1.0	U	20.0	18.3		ug/L		92	38 - 144
Ethylbenzene	1.0	U	20.0	20.4		ug/L		102	78 - 120
Ethylene Dibromide	1.0	U	20.0	20.8		ug/L		104	79 - 126
Isopropylbenzene	1.0	U	20.0	21.1		ug/L		106	79 - 125
Methyl acetate	5.0	U	40.0	35.5		ug/L		89	50 - 147
Methyl tert-butyl ether	1.0	U	20.0	17.4		ug/L		87	72 - 131
Methylcyclohexane	1.0	U	20.0	24.2		ug/L		121	63 - 138
Methylene Chloride	1.0	U	20.0	20.1		ug/L		101	74 - 127
m-Xylene & p-Xylene	1.0	U	20.0	20.7		ug/L		103	78 - 120
o-Xylene	1.0	U	20.0	20.5		ug/L		103	78 - 120
Styrene	1.0	U	20.0	21.3		ug/L		107	82 - 127
Tetrachloroethene	2.9		20.0	22.9		ug/L		100	70 - 127
Toluene	1.0	U	20.0	20.6		ug/L		103	78 - 120
trans-1,2-Dichloroethene	1.0	U	20.0	20.6		ug/L		103	70 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-320491-A-1 MS
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	0.45	U	20.0	18.6		ug/L		93	71 - 127
Trichloroethene	0.28	U	20.0	20.2		ug/L		101	73 - 121
Trichlorofluoromethane	1.0	U	20.0	20.6		ug/L		103	62 - 134
Vinyl chloride	1.0	U	20.0	17.2		ug/L		86	55 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
4-Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 460-320491-A-1 MSD
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	20.0	22.2		ug/L		111	72 - 128	6	30
1,1,2,2-Tetrachloroethane	0.20	U	20.0	21.2		ug/L		106	63 - 139	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	20.0	23.1		ug/L		116	65 - 142	1	30
1,1,2-Trichloroethane	0.58	U	20.0	21.4		ug/L		107	74 - 125	5	30
1,1-Dichloroethane	1.0	U	20.0	22.2		ug/L		111	73 - 130	6	30
1,1-Dichloroethene	1.0	U	20.0	24.2		ug/L		121	68 - 133	7	30
1,2,3-Trichlorobenzene	1.0	U	20.0	22.7		ug/L		113	55 - 150	12	30
1,2,4-Trichlorobenzene	1.0	U	20.0	21.8		ug/L		109	67 - 132	12	30
1,2-Dibromo-3-Chloropropane	1.0	U	20.0	21.9		ug/L		109	58 - 132	16	30
1,2-Dichlorobenzene	1.0	U	20.0	21.8		ug/L		109	80 - 120	7	30
1,4-Dioxane	50	U	400	479		ug/L		120	42 - 150	8	30
1,2-Dichloroethane	0.30	U	20.0	19.8		ug/L		99	66 - 129	7	30
1,2-Dichloropropane	0.92	U	20.0	21.0		ug/L		105	72 - 128	3	30
1,3-Dichlorobenzene	1.0	U	20.0	21.5		ug/L		108	80 - 120	7	30
1,4-Dichlorobenzene	1.0	U	20.0	21.0		ug/L		105	80 - 120	8	30
2-Butanone (MEK)	5.0	U	100	105		ug/L		105	65 - 142	14	30
2-Hexanone	5.0	U	100	112		ug/L		112	72 - 134	12	30
4-Methyl-2-pentanone (MIBK)	5.0	U	100	108		ug/L		108	77 - 130	13	30
Acetone	5.0	U	100	97.3		ug/L		97	60 - 133	17	30
Benzene	0.45	U	20.0	20.8		ug/L		104	71 - 126	4	30
Bromoform	1.0	U	20.0	22.0		ug/L		110	58 - 128	11	30
Bromomethane	1.0	U	20.0	10.3	*	ug/L		52	33 - 150	47	30
Carbon disulfide	1.0	U	20.0	20.3		ug/L		102	35 - 150	5	30
Carbon tetrachloride	1.0	U	20.0	21.8		ug/L		109	65 - 131	8	30
Chlorobenzene	1.0	U	20.0	22.1		ug/L		111	80 - 120	7	30
Chlorobromomethane	1.0	U	20.0	20.2		ug/L		101	71 - 134	13	30
Chlorodibromomethane	0.78	U	20.0	21.7		ug/L		108	73 - 121	8	30
Chloroethane	1.0	U	20.0	21.4		ug/L		107	54 - 150	18	30
Chloroform	0.91	J	20.0	23.0		ug/L		111	78 - 125	6	30
Chloromethane	1.0	U	20.0	16.1		ug/L		80	43 - 149	5	30
cis-1,2-Dichloroethene	1.0	U	20.0	22.1		ug/L		111	78 - 121	6	30
cis-1,3-Dichloropropene	0.45	U	20.0	21.4		ug/L		107	74 - 125	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-320491-A-1 MSD
Matrix: Water
Analysis Batch: 1022117

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyclohexane	1.0	U	20.0	23.6		ug/L		118	64 - 142	4	30
Dichlorobromomethane	0.98	U	20.0	21.8		ug/L		109	76 - 121	8	30
Dichlorodifluoromethane	1.0	U	20.0	17.9		ug/L		89	38 - 144	2	30
Ethylbenzene	1.0	U	20.0	21.7		ug/L		109	78 - 120	6	30
Ethylene Dibromide	1.0	U	20.0	22.5		ug/L		112	79 - 126	8	30
Isopropylbenzene	1.0	U	20.0	22.4		ug/L		112	79 - 125	6	30
Methyl acetate	5.0	U	40.0	39.6		ug/L		99	50 - 147	11	30
Methyl tert-butyl ether	1.0	U	20.0	21.0		ug/L		105	72 - 131	19	30
Methylcyclohexane	1.0	U	20.0	24.6		ug/L		123	63 - 138	2	30
Methylene Chloride	1.0	U	20.0	21.7		ug/L		108	74 - 127	7	30
m-Xylene & p-Xylene	1.0	U	20.0	22.1		ug/L		111	78 - 120	7	30
o-Xylene	1.0	U	20.0	21.7		ug/L		108	78 - 120	5	30
Styrene	1.0	U	20.0	22.6		ug/L		113	82 - 127	6	30
Tetrachloroethene	2.9		20.0	24.4		ug/L		108	70 - 127	6	30
Toluene	1.0	U	20.0	21.6		ug/L		108	78 - 120	5	30
trans-1,2-Dichloroethene	1.0	U	20.0	21.9		ug/L		110	70 - 126	6	30
trans-1,3-Dichloropropene	0.45	U	20.0	21.0		ug/L		105	71 - 127	12	30
Trichloroethene	0.28	U	20.0	22.0		ug/L		110	73 - 121	8	30
Trichlorofluoromethane	1.0	U	20.0	21.2		ug/L		106	62 - 134	3	30
Vinyl chloride	1.0	U	20.0	18.0		ug/L		90	55 - 144	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*
4-Bromofluorobenzene	*104*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 132*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-1022286/7
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 07:08	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/21/25 07:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/21/25 07:08	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 07:08	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/21/25 07:08	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 07:08	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 07:08	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 07:08	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/21/25 07:08	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/21/25 07:08	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 07:08	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/21/25 07:08	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/21/25 07:08	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/21/25 07:08	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/21/25 07:08	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 07:08	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022286/7
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/21/25 07:08	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/21/25 07:08	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/21/25 07:08	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/21/25 07:08	1
Acrolein	0.10	U	0.10	0.028	mg/Kg			02/21/25 07:08	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg			02/21/25 07:08	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/21/25 07:08	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/21/25 07:08	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/21/25 07:08	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 07:08	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/21/25 07:08	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 07:08	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 07:08	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/21/25 07:08	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/21/25 07:08	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/21/25 07:08	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/21/25 07:08	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 07:08	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 07:08	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/21/25 07:08	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/21/25 07:08	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/21/25 07:08	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/21/25 07:08	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 07:08	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 07:08	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/21/25 07:08	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/21/25 07:08	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/21/25 07:08	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/21/25 07:08	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/21/25 07:08	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 07:08	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 07:08	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/21/25 07:08	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 07:08	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 07:08	1
TBA	0.010	U	0.010	0.0078	mg/Kg			02/21/25 07:08	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 07:08	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/21/25 07:08	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 07:08	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/21/25 07:08	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 07:08	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/21/25 07:08	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/21/25 07:08	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/21/25 07:08	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/21/25 07:08	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*02/21/25 07:08*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022286/7
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		65 - 138		02/21/25 07:08	1
4-Bromofluorobenzene	98		71 - 128		02/21/25 07:08	1
Dibromofluoromethane (Surr)	107		50 - 150		02/21/25 07:08	1
Toluene-d8 (Surr)	102		71 - 126		02/21/25 07:08	1

Lab Sample ID: LCS 460-1022286/3
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0190		mg/Kg		95	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0161		mg/Kg		81	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0199		mg/Kg		99	75 - 121
1,1,2-Trichloroethane	0.0200	0.0174		mg/Kg		87	80 - 120
1,1-Dichloroethane	0.0200	0.0183		mg/Kg		92	72 - 120
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		96	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0177		mg/Kg		88	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0181		mg/Kg		91	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0160		mg/Kg		80	80 - 124
1,2-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0182		mg/Kg		91	70 - 123
1,2-Dichloropropane	0.0200	0.0184		mg/Kg		92	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0180		mg/Kg		90	70 - 120
1,3-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
1,4-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120
2-Butanone (MEK)	0.100	0.0884		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0922		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0941		mg/Kg		94	80 - 120
Acetone	0.100	0.0965		mg/Kg		96	58 - 122
Acrolein	0.300	0.320		mg/Kg		107	54 - 158
Acrylonitrile	0.200	0.188		mg/Kg		94	56 - 120
Benzene	0.0200	0.0180		mg/Kg		90	75 - 120
Bromoform	0.0200	0.0159		mg/Kg		80	61 - 125
Bromomethane	0.0200	0.0198		mg/Kg		99	37 - 150
Carbon disulfide	0.0200	0.0187		mg/Kg		94	57 - 133
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127
Chlorobenzene	0.0200	0.0177		mg/Kg		88	80 - 120
Chlorobromomethane	0.0200	0.0186		mg/Kg		93	76 - 127
Chlorodibromomethane	0.0200	0.0168		mg/Kg		84	72 - 120
Chloroethane	0.0200	0.0202		mg/Kg		101	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0214		mg/Kg		107	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		88	75 - 120
Cyclohexane	0.0200	0.0199		mg/Kg		99	65 - 132
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	77 - 124
Dichlorodifluoromethane	0.0200	0.0219		mg/Kg		110	45 - 129

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022286/3
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Ethylene Dibromide	0.0200	0.0171		mg/Kg		86	79 - 120
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	74 - 120
Methyl acetate	0.0400	0.0432		mg/Kg		108	57 - 120
Methyl tert-butyl ether	0.0200	0.0182		mg/Kg		91	74 - 125
Methylcyclohexane	0.0200	0.0197		mg/Kg		98	66 - 125
Methylene Chloride	0.0200	0.0194		mg/Kg		97	78 - 120
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
n-Butylbenzene	0.0200	0.0191		mg/Kg		95	72 - 120
N-Propylbenzene	0.0200	0.0180		mg/Kg		90	68 - 120
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
sec-Butylbenzene	0.0200	0.0184		mg/Kg		92	78 - 120
Styrene	0.0200	0.0183		mg/Kg		92	80 - 120
TBA	0.200	0.177		mg/Kg		88	79 - 120
tert-Butylbenzene	0.0200	0.0181		mg/Kg		91	80 - 120
Tetrachloroethene	0.0200	0.0185		mg/Kg		93	73 - 120
Toluene	0.0200	0.0176		mg/Kg		88	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		95	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		84	77 - 120
Trichloroethene	0.0200	0.0188		mg/Kg		94	80 - 120
Trichlorofluoromethane	0.0200	0.0196		mg/Kg		98	61 - 130
Vinyl chloride	0.0200	0.0206		mg/Kg		103	54 - 122
Xylenes, Total	0.0400	0.0368		mg/Kg		92	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: LCSD 460-1022286/4
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0199		mg/Kg		99	78 - 120	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	70 - 133	10	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0199		mg/Kg		100	75 - 121	0	30
1,1,2-Trichloroethane	0.0200	0.0191		mg/Kg		95	80 - 120	9	30
1,1-Dichloroethane	0.0200	0.0202		mg/Kg		101	72 - 120	10	30
1,1-Dichloroethene	0.0200	0.0198		mg/Kg		99	76 - 120	3	30
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 137	5	30
1,2,4-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	77 - 136	4	30
1,2,4-Trimethylbenzene	0.0200	0.0190		mg/Kg		95	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0176		mg/Kg		88	80 - 124	10	30
1,2-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123	6	30
1,2-Dichloropropane	0.0200	0.0197		mg/Kg		98	73 - 124	7	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022286/4
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3,5-Trimethylbenzene	0.0200	0.0191		mg/Kg		95	70 - 120	6	30
1,3-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120	7	30
2-Butanone (MEK)	0.100	0.0926		mg/Kg		93	64 - 128	5	30
2-Hexanone	0.100	0.0964		mg/Kg		96	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0969		mg/Kg		97	80 - 120	3	30
Acetone	0.100	0.0995		mg/Kg		99	58 - 122	3	30
Acrolein	0.300	0.311		mg/Kg		104	54 - 158	3	30
Acrylonitrile	0.200	0.201		mg/Kg		100	56 - 120	7	30
Benzene	0.0200	0.0193		mg/Kg		96	75 - 120	7	30
Bromoform	0.0200	0.0174		mg/Kg		87	61 - 125	9	30
Bromomethane	0.0200	0.0189		mg/Kg		95	37 - 150	4	30
Carbon disulfide	0.0200	0.0193		mg/Kg		96	57 - 133	3	30
Carbon tetrachloride	0.0200	0.0193		mg/Kg		96	66 - 127	3	30
Chlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120	4	30
Chlorobromomethane	0.0200	0.0201		mg/Kg		100	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	72 - 120	8	30
Chloroethane	0.0200	0.0198		mg/Kg		99	60 - 123	2	30
Chloroform	0.0200	0.0199		mg/Kg		99	79 - 126	7	30
Chloromethane	0.0200	0.0203		mg/Kg		102	46 - 122	5	30
cis-1,2-Dichloroethene	0.0200	0.0198		mg/Kg		99	80 - 123	6	30
cis-1,3-Dichloropropene	0.0200	0.0190		mg/Kg		95	75 - 120	7	30
Cyclohexane	0.0200	0.0201		mg/Kg		101	65 - 132	1	30
Dichlorobromomethane	0.0200	0.0191		mg/Kg		96	77 - 124	7	30
Dichlorodifluoromethane	0.0200	0.0205		mg/Kg		103	45 - 129	7	30
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0190		mg/Kg		95	79 - 120	10	30
Isopropylbenzene	0.0200	0.0196		mg/Kg		98	74 - 120	3	30
Methyl acetate	0.0400	0.0432		mg/Kg		108	57 - 120	0	30
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		98	74 - 125	8	30
Methylcyclohexane	0.0200	0.0205		mg/Kg		103	66 - 125	4	30
Methylene Chloride	0.0200	0.0204		mg/Kg		102	78 - 120	5	30
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120	5	30
n-Butylbenzene	0.0200	0.0196		mg/Kg		98	72 - 120	3	30
N-Propylbenzene	0.0200	0.0188		mg/Kg		94	68 - 120	5	30
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	3	30
sec-Butylbenzene	0.0200	0.0190		mg/Kg		95	78 - 120	3	30
Styrene	0.0200	0.0192		mg/Kg		96	80 - 120	4	30
TBA	0.200	0.191		mg/Kg		96	79 - 120	8	30
tert-Butylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120	6	30
Tetrachloroethene	0.0200	0.0192		mg/Kg		96	73 - 120	4	30
Toluene	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
trans-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	78 - 120	5	30
trans-1,3-Dichloropropene	0.0200	0.0183		mg/Kg		91	77 - 120	9	30
Trichloroethene	0.0200	0.0196		mg/Kg		98	80 - 120	4	30
Trichlorofluoromethane	0.0200	0.0192		mg/Kg		96	61 - 130	2	30
Vinyl chloride	0.0200	0.0191		mg/Kg		95	54 - 122	8	30
Xylenes, Total	0.0400	0.0383		mg/Kg		96	80 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022286/4
Matrix: Solid
Analysis Batch: 1022286

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*106*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: MB 460-1022347/7
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 19:33	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/21/25 19:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/21/25 19:33	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 19:33	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/21/25 19:33	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 19:33	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 19:33	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 19:33	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/21/25 19:33	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/21/25 19:33	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 19:33	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/21/25 19:33	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/21/25 19:33	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/21/25 19:33	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/21/25 19:33	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 19:33	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/21/25 19:33	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/21/25 19:33	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/21/25 19:33	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/21/25 19:33	1
Acrolein	0.10	U	0.10	0.028	mg/Kg			02/21/25 19:33	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg			02/21/25 19:33	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/21/25 19:33	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/21/25 19:33	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/21/25 19:33	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 19:33	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/21/25 19:33	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 19:33	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 19:33	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/21/25 19:33	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/21/25 19:33	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/21/25 19:33	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/21/25 19:33	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/21/25 19:33	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 19:33	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/21/25 19:33	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/21/25 19:33	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/21/25 19:33	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022347/7
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/21/25 19:33	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 19:33	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 19:33	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/21/25 19:33	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/21/25 19:33	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/21/25 19:33	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/21/25 19:33	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/21/25 19:33	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 19:33	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/21/25 19:33	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/21/25 19:33	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/21/25 19:33	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 19:33	1
TBA	0.010	U	0.010	0.0078	mg/Kg			02/21/25 19:33	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/21/25 19:33	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/21/25 19:33	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/21/25 19:33	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/21/25 19:33	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/21/25 19:33	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/21/25 19:33	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/21/25 19:33	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/21/25 19:33	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/21/25 19:33	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*02/21/25 19:33*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*		*02/21/25 19:33*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*		*02/21/25 19:33*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*		*02/21/25 19:33*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*02/21/25 19:33*	*1*

Lab Sample ID: LCS 460-1022347/3
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0184		mg/Kg		92	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0171		mg/Kg		86	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0190		mg/Kg		95	75 - 121
1,1,2-Trichloroethane	0.0200	0.0183		mg/Kg		91	80 - 120
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		97	72 - 120
1,1-Dichloroethene	0.0200	0.0189		mg/Kg		94	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0181		mg/Kg		91	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0176		mg/Kg		88	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022347/3
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0163		mg/Kg		82	80 - 124
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		93	70 - 123
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0179		mg/Kg		90	70 - 120
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		90	80 - 120
2-Butanone (MEK)	0.100	0.0913		mg/Kg		91	64 - 128
2-Hexanone	0.100	0.0948		mg/Kg		95	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0973		mg/Kg		97	80 - 120
Acetone	0.100	0.0981		mg/Kg		98	58 - 122
Acrolein	0.300	0.324		mg/Kg		108	54 - 158
Acrylonitrile	0.200	0.205		mg/Kg		102	56 - 120
Benzene	0.0200	0.0181		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0169		mg/Kg		85	61 - 125
Bromomethane	0.0200	0.0203		mg/Kg		101	37 - 150
Carbon disulfide	0.0200	0.0185		mg/Kg		92	57 - 133
Carbon tetrachloride	0.0200	0.0180		mg/Kg		90	66 - 127
Chlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
Chlorobromomethane	0.0200	0.0193		mg/Kg		97	76 - 127
Chlorodibromomethane	0.0200	0.0174		mg/Kg		87	72 - 120
Chloroethane	0.0200	0.0202		mg/Kg		101	60 - 123
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126
Chloromethane	0.0200	0.0210		mg/Kg		105	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		95	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		89	75 - 120
Cyclohexane	0.0200	0.0185		mg/Kg		93	65 - 132
Dichlorobromomethane	0.0200	0.0184		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0207		mg/Kg		103	45 - 129
Ethylbenzene	0.0200	0.0177		mg/Kg		88	80 - 120
Ethylene Dibromide	0.0200	0.0181		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0182		mg/Kg		91	74 - 120
Methyl acetate	0.0400	0.0464		mg/Kg		116	57 - 120
Methyl tert-butyl ether	0.0200	0.0191		mg/Kg		96	74 - 125
Methylcyclohexane	0.0200	0.0188		mg/Kg		94	66 - 125
Methylene Chloride	0.0200	0.0202		mg/Kg		101	78 - 120
m-Xylene & p-Xylene	0.0200	0.0175		mg/Kg		88	80 - 120
n-Butylbenzene	0.0200	0.0180		mg/Kg		90	72 - 120
N-Propylbenzene	0.0200	0.0175		mg/Kg		88	68 - 120
o-Xylene	0.0200	0.0181		mg/Kg		90	80 - 120
sec-Butylbenzene	0.0200	0.0175		mg/Kg		88	78 - 120
Styrene	0.0200	0.0184		mg/Kg		92	80 - 120
TBA	0.200	0.189		mg/Kg		94	79 - 120
tert-Butylbenzene	0.0200	0.0180		mg/Kg		90	80 - 120
Tetrachloroethene	0.0200	0.0178		mg/Kg		89	73 - 120
Toluene	0.0200	0.0174		mg/Kg		87	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		94	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0170		mg/Kg		85	77 - 120
Trichloroethene	0.0200	0.0184		mg/Kg		92	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022347/3
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Trichlorofluoromethane			0.0200	0.0196		mg/Kg		98	61 - 130		
Vinyl chloride			0.0200	0.0200		mg/Kg		100	54 - 122		
Xylenes, Total			0.0400	0.0356		mg/Kg		89	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*106*		*50 - 150*
Toluene-d8 (Surr)	*102*		*71 - 126*

Lab Sample ID: LCSD 460-1022347/4
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0201		mg/Kg		101	78 - 120	9	30
1,1,2,2-Tetrachloroethane			0.0200	0.0185		mg/Kg		93	70 - 133	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0209		mg/Kg		104	75 - 121	9	30
1,1,2-Trichloroethane			0.0200	0.0195		mg/Kg		97	80 - 120	6	30
1,1-Dichloroethane			0.0200	0.0203		mg/Kg		101	72 - 120	5	30
1,1-Dichloroethene			0.0200	0.0200		mg/Kg		100	76 - 120	6	30
1,2,3-Trichlorobenzene			0.0200	0.0194		mg/Kg		97	77 - 137	7	30
1,2,4-Trichlorobenzene			0.0200	0.0191		mg/Kg		96	77 - 136	8	30
1,2,4-Trimethylbenzene			0.0200	0.0192		mg/Kg		96	75 - 120	7	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0181		mg/Kg		91	80 - 124	11	30
1,2-Dichlorobenzene			0.0200	0.0197		mg/Kg		99	80 - 120	6	30
1,2-Dichloroethane			0.0200	0.0198		mg/Kg		99	70 - 123	7	30
1,2-Dichloropropane			0.0200	0.0203		mg/Kg		102	73 - 124	7	30
1,3,5-Trimethylbenzene			0.0200	0.0194		mg/Kg		97	70 - 120	8	30
1,3-Dichlorobenzene			0.0200	0.0191		mg/Kg		95	80 - 120	5	30
1,4-Dichlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	5	30
2-Butanone (MEK)			0.100	0.0967		mg/Kg		97	64 - 128	6	30
2-Hexanone			0.100	0.0989		mg/Kg		99	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.103		mg/Kg		103	80 - 120	5	30
Acetone			0.100	0.103		mg/Kg		103	58 - 122	5	30
Acrolein			0.300	0.297		mg/Kg		99	54 - 158	9	30
Acrylonitrile			0.200	0.213		mg/Kg		106	56 - 120	4	30
Benzene			0.0200	0.0198		mg/Kg		99	75 - 120	9	30
Bromoform			0.0200	0.0180		mg/Kg		90	61 - 125	6	30
Bromomethane			0.0200	0.0211		mg/Kg		105	37 - 150	4	30
Carbon disulfide			0.0200	0.0199		mg/Kg		100	57 - 133	8	30
Carbon tetrachloride			0.0200	0.0196		mg/Kg		98	66 - 127	9	30
Chlorobenzene			0.0200	0.0191		mg/Kg		96	80 - 120	7	30
Chlorobromomethane			0.0200	0.0209		mg/Kg		105	76 - 127	8	30
Chlorodibromomethane			0.0200	0.0187		mg/Kg		94	72 - 120	7	30
Chloroethane			0.0200	0.0211		mg/Kg		106	60 - 123	5	30
Chloroform			0.0200	0.0203		mg/Kg		101	79 - 126	7	30
Chloromethane			0.0200	0.0223		mg/Kg		111	46 - 122	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022347/4
Matrix: Solid
Analysis Batch: 1022347

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	80 - 123	8	30
cis-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		96	75 - 120	8	30
Cyclohexane	0.0200	0.0203		mg/Kg		102	65 - 132	9	30
Dichlorobromomethane	0.0200	0.0198		mg/Kg		99	77 - 124	7	30
Dichlorodifluoromethane	0.0200	0.0218		mg/Kg		109	45 - 129	5	30
Ethylbenzene	0.0200	0.0195		mg/Kg		97	80 - 120	10	30
Ethylene Dibromide	0.0200	0.0194		mg/Kg		97	79 - 120	7	30
Isopropylbenzene	0.0200	0.0202		mg/Kg		101	74 - 120	11	30
Methyl acetate	0.0400	0.0501	*	mg/Kg		125	57 - 120	8	30
Methyl tert-butyl ether	0.0200	0.0203		mg/Kg		101	74 - 125	6	30
Methylcyclohexane	0.0200	0.0204		mg/Kg		102	66 - 125	8	30
Methylene Chloride	0.0200	0.0216		mg/Kg		108	78 - 120	7	30
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120	9	30
n-Butylbenzene	0.0200	0.0195		mg/Kg		97	72 - 120	8	30
N-Propylbenzene	0.0200	0.0186		mg/Kg		93	68 - 120	6	30
o-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120	9	30
sec-Butylbenzene	0.0200	0.0194		mg/Kg		97	78 - 120	10	30
Styrene	0.0200	0.0196		mg/Kg		98	80 - 120	6	30
TBA	0.200	0.199		mg/Kg		99	79 - 120	5	30
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120	9	30
Tetrachloroethene	0.0200	0.0192		mg/Kg		96	73 - 120	7	30
Toluene	0.0200	0.0190		mg/Kg		95	80 - 120	9	30
trans-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	78 - 120	8	30
trans-1,3-Dichloropropene	0.0200	0.0180		mg/Kg		90	77 - 120	6	30
Trichloroethene	0.0200	0.0198		mg/Kg		99	80 - 120	8	30
Trichlorofluoromethane	0.0200	0.0200		mg/Kg		100	61 - 130	2	30
Vinyl chloride	0.0200	0.0211		mg/Kg		105	54 - 122	5	30
Xylenes, Total	0.0400	0.0390		mg/Kg		97	80 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*105*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 460-1022461/7
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/22/25 08:04	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/22/25 08:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/22/25 08:04	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/22/25 08:04	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/22/25 08:04	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/22/25 08:04	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/22/25 08:04	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/22/25 08:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022461/7
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/22/25 08:04	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/22/25 08:04	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/22/25 08:04	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/22/25 08:04	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/22/25 08:04	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/22/25 08:04	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/22/25 08:04	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/22/25 08:04	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/22/25 08:04	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/22/25 08:04	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/22/25 08:04	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/22/25 08:04	1
Acrolein	0.10	U	0.10	0.028	mg/Kg			02/22/25 08:04	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg			02/22/25 08:04	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/22/25 08:04	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/22/25 08:04	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/22/25 08:04	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/22/25 08:04	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/22/25 08:04	1
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/22/25 08:04	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/22/25 08:04	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/22/25 08:04	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/22/25 08:04	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/22/25 08:04	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/22/25 08:04	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/22/25 08:04	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/22/25 08:04	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/22/25 08:04	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/22/25 08:04	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/22/25 08:04	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/22/25 08:04	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/22/25 08:04	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/22/25 08:04	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/22/25 08:04	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/22/25 08:04	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/22/25 08:04	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/22/25 08:04	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/22/25 08:04	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/22/25 08:04	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/22/25 08:04	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/22/25 08:04	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/22/25 08:04	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/22/25 08:04	1
TBA	0.010	U	0.010	0.0078	mg/Kg			02/22/25 08:04	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/22/25 08:04	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/22/25 08:04	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/22/25 08:04	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/22/25 08:04	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/22/25 08:04	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022461/7
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/22/25 08:04	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/22/25 08:04	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/22/25 08:04	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/22/25 08:04	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*02/22/25 08:04*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*		*02/22/25 08:04*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*		*02/22/25 08:04*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*		*02/22/25 08:04*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*02/22/25 08:04*	*1*

Lab Sample ID: LCS 460-1022461/3
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0193		mg/Kg		96	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0168		mg/Kg		84	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		102	75 - 121
1,1,2-Trichloroethane	0.0200	0.0177		mg/Kg		89	80 - 120
1,1-Dichloroethane	0.0200	0.0191		mg/Kg		96	72 - 120
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0175		mg/Kg		87	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0177		mg/Kg		88	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0177		mg/Kg		88	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0162		mg/Kg		81	80 - 124
1,2-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		93	70 - 123
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0177		mg/Kg		89	70 - 120
1,3-Dichlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
1,4-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120
2-Butanone (MEK)	0.100	0.0869		mg/Kg		87	64 - 128
2-Hexanone	0.100	0.0891		mg/Kg		89	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0918		mg/Kg		92	80 - 120
Acetone	0.100	0.0936		mg/Kg		94	58 - 122
Acrolein	0.300	0.292		mg/Kg		97	54 - 158
Acrylonitrile	0.200	0.181		mg/Kg		90	56 - 120
Benzene	0.0200	0.0178		mg/Kg		89	75 - 120
Bromoform	0.0200	0.0169		mg/Kg		84	61 - 125
Bromomethane	0.0200	0.0210		mg/Kg		105	37 - 150
Carbon disulfide	0.0200	0.0189		mg/Kg		94	57 - 133
Carbon tetrachloride	0.0200	0.0190		mg/Kg		95	66 - 127
Chlorobenzene	0.0200	0.0175		mg/Kg		88	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022461/3
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0195		mg/Kg		97	76 - 127
Chlorodibromomethane	0.0200	0.0173		mg/Kg		87	72 - 120
Chloroethane	0.0200	0.0215		mg/Kg		107	60 - 123
Chloroform	0.0200	0.0193		mg/Kg		96	79 - 126
Chloromethane	0.0200	0.0220		mg/Kg		110	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0175		mg/Kg		87	75 - 120
Cyclohexane	0.0200	0.0196		mg/Kg		98	65 - 132
Dichlorobromomethane	0.0200	0.0183		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0224		mg/Kg		112	45 - 129
Ethylbenzene	0.0200	0.0181		mg/Kg		91	80 - 120
Ethylene Dibromide	0.0200	0.0175		mg/Kg		88	79 - 120
Isopropylbenzene	0.0200	0.0191		mg/Kg		96	74 - 120
Methyl acetate	0.0400	0.0454		mg/Kg		113	57 - 120
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		95	74 - 125
Methylcyclohexane	0.0200	0.0200		mg/Kg		100	66 - 125
Methylene Chloride	0.0200	0.0198		mg/Kg		99	78 - 120
m-Xylene & p-Xylene	0.0200	0.0181		mg/Kg		91	80 - 120
n-Butylbenzene	0.0200	0.0184		mg/Kg		92	72 - 120
N-Propylbenzene	0.0200	0.0178		mg/Kg		89	68 - 120
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
sec-Butylbenzene	0.0200	0.0176		mg/Kg		88	78 - 120
Styrene	0.0200	0.0182		mg/Kg		91	80 - 120
TBA	0.200	0.175		mg/Kg		87	79 - 120
tert-Butylbenzene	0.0200	0.0175		mg/Kg		88	80 - 120
Tetrachloroethene	0.0200	0.0183		mg/Kg		92	73 - 120
Toluene	0.0200	0.0175		mg/Kg		87	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0166		mg/Kg		83	77 - 120
Trichloroethene	0.0200	0.0190		mg/Kg		95	80 - 120
Trichlorofluoromethane	0.0200	0.0212		mg/Kg		106	61 - 130
Vinyl chloride	0.0200	0.0214		mg/Kg		107	54 - 122
Xylenes, Total	0.0400	0.0363		mg/Kg		91	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*110*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: LCSD 460-1022461/4
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0201		mg/Kg		100	78 - 120	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	70 - 133	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0205		mg/Kg		103	75 - 121	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022461/4
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,2-Trichloroethane	0.0200	0.0188		mg/Kg		94	80 - 120	6	30
1,1-Dichloroethane	0.0200	0.0196		mg/Kg		98	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0206		mg/Kg		103	76 - 120	7	30
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 137	6	30
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	77 - 136	8	30
1,2,4-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	75 - 120	6	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0166		mg/Kg		83	80 - 124	3	30
1,2-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0195		mg/Kg		97	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0199		mg/Kg		100	73 - 124	4	30
1,3,5-Trimethylbenzene	0.0200	0.0189		mg/Kg		94	70 - 120	6	30
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120	8	30
2-Butanone (MEK)	0.100	0.0935		mg/Kg		93	64 - 128	7	30
2-Hexanone	0.100	0.0928		mg/Kg		93	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0953		mg/Kg		95	80 - 120	4	30
Acetone	0.100	0.0976		mg/Kg		98	58 - 122	4	30
Acrolein	0.300	0.330		mg/Kg		110	54 - 158	12	30
Acrylonitrile	0.200	0.195		mg/Kg		97	56 - 120	8	30
Benzene	0.0200	0.0192		mg/Kg		96	75 - 120	7	30
Bromoform	0.0200	0.0174		mg/Kg		87	61 - 125	3	30
Bromomethane	0.0200	0.0194		mg/Kg		97	37 - 150	8	30
Carbon disulfide	0.0200	0.0197		mg/Kg		98	57 - 133	4	30
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	66 - 127	4	30
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
Chlorobromomethane	0.0200	0.0204		mg/Kg		102	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0183		mg/Kg		92	72 - 120	6	30
Chloroethane	0.0200	0.0199		mg/Kg		99	60 - 123	8	30
Chloroform	0.0200	0.0201		mg/Kg		100	79 - 126	4	30
Chloromethane	0.0200	0.0188		mg/Kg		94	46 - 122	16	30
cis-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		101	80 - 123	4	30
cis-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	75 - 120	8	30
Cyclohexane	0.0200	0.0207		mg/Kg		103	65 - 132	6	30
Dichlorobromomethane	0.0200	0.0192		mg/Kg		96	77 - 124	5	30
Dichlorodifluoromethane	0.0200	0.0210		mg/Kg		105	45 - 129	6	30
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120	5	30
Ethylene Dibromide	0.0200	0.0188		mg/Kg		94	79 - 120	7	30
Isopropylbenzene	0.0200	0.0198		mg/Kg		99	74 - 120	4	30
Methyl acetate	0.0400	0.0455		mg/Kg		114	57 - 120	0	30
Methyl tert-butyl ether	0.0200	0.0194		mg/Kg		97	74 - 125	3	30
Methylcyclohexane	0.0200	0.0206		mg/Kg		103	66 - 125	3	30
Methylene Chloride	0.0200	0.0208		mg/Kg		104	78 - 120	5	30
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120	3	30
n-Butylbenzene	0.0200	0.0196		mg/Kg		98	72 - 120	7	30
N-Propylbenzene	0.0200	0.0188		mg/Kg		94	68 - 120	6	30
o-Xylene	0.0200	0.0190		mg/Kg		95	80 - 120	4	30
sec-Butylbenzene	0.0200	0.0191		mg/Kg		95	78 - 120	8	30
Styrene	0.0200	0.0193		mg/Kg		96	80 - 120	5	30
TBA	0.200	0.185		mg/Kg		92	79 - 120	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022461/4
Matrix: Solid
Analysis Batch: 1022461

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
tert-Butylbenzene			0.0200	0.0192		mg/Kg		96	80 - 120	9	30
Tetrachloroethene			0.0200	0.0197		mg/Kg		98	73 - 120	7	30
Toluene			0.0200	0.0186		mg/Kg		93	80 - 120	6	30
trans-1,2-Dichloroethene			0.0200	0.0201		mg/Kg		101	78 - 120	4	30
trans-1,3-Dichloropropene			0.0200	0.0180		mg/Kg		90	77 - 120	8	30
Trichloroethene			0.0200	0.0195		mg/Kg		98	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0201		mg/Kg		101	61 - 130	5	30
Vinyl chloride			0.0200	0.0201		mg/Kg		101	54 - 122	6	30
Xylenes, Total			0.0400	0.0377		mg/Kg		94	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*109*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 460-1022579/7
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			02/23/25 14:42	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/23/25 14:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/23/25 14:42	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00018	mg/Kg			02/23/25 14:42	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00021	mg/Kg			02/23/25 14:42	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			02/23/25 14:42	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/23/25 14:42	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/23/25 14:42	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			02/23/25 14:42	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			02/23/25 14:42	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			02/23/25 14:42	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			02/23/25 14:42	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			02/23/25 14:42	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			02/23/25 14:42	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			02/23/25 14:42	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00023	mg/Kg			02/23/25 14:42	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			02/23/25 14:42	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			02/23/25 14:42	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			02/23/25 14:42	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			02/23/25 14:42	1
Acrolein	0.10	U	0.10	0.028	mg/Kg			02/23/25 14:42	1
Acrylonitrile	0.010	U	0.010	0.0049	mg/Kg			02/23/25 14:42	1
Benzene	0.0010	U	0.0010	0.00026	mg/Kg			02/23/25 14:42	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			02/23/25 14:42	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			02/23/25 14:42	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			02/23/25 14:42	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			02/23/25 14:42	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022579/7
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/23/25 14:42	1
Chlorobromomethane	0.0010	U	0.0010	0.00028	mg/Kg			02/23/25 14:42	1
Chlorodibromomethane	0.0010	U	0.0010	0.00019	mg/Kg			02/23/25 14:42	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			02/23/25 14:42	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			02/23/25 14:42	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			02/23/25 14:42	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			02/23/25 14:42	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/23/25 14:42	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			02/23/25 14:42	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			02/23/25 14:42	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			02/23/25 14:42	1
Ethylbenzene	0.0010	U	0.0010	0.00020	mg/Kg			02/23/25 14:42	1
Ethylene Dibromide	0.0010	U	0.0010	0.00018	mg/Kg			02/23/25 14:42	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/23/25 14:42	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			02/23/25 14:42	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			02/23/25 14:42	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			02/23/25 14:42	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			02/23/25 14:42	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00017	mg/Kg			02/23/25 14:42	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/23/25 14:42	1
N-Propylbenzene	0.0010	U	0.0010	0.00018	mg/Kg			02/23/25 14:42	1
o-Xylene	0.0010	U	0.0010	0.00019	mg/Kg			02/23/25 14:42	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			02/23/25 14:42	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			02/23/25 14:42	1
TBA	0.010	U	0.010	0.0078	mg/Kg			02/23/25 14:42	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			02/23/25 14:42	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			02/23/25 14:42	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			02/23/25 14:42	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			02/23/25 14:42	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			02/23/25 14:42	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			02/23/25 14:42	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			02/23/25 14:42	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			02/23/25 14:42	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			02/23/25 14:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*02/23/25 14:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*65 - 138*		*02/23/25 14:42*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*		*02/23/25 14:42*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*		*02/23/25 14:42*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*02/23/25 14:42*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022579/3
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0219		mg/Kg		110	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0185		mg/Kg		92	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0245	*	mg/Kg		122	75 - 121
1,1,2-Trichloroethane	0.0200	0.0197		mg/Kg		99	80 - 120
1,1-Dichloroethane	0.0200	0.0221		mg/Kg		110	72 - 120
1,1-Dichloroethene	0.0200	0.0240		mg/Kg		120	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0181		mg/Kg		91	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0179		mg/Kg		90	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0180		mg/Kg		90	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0173		mg/Kg		86	80 - 124
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0197		mg/Kg		99	70 - 123
1,2-Dichloropropane	0.0200	0.0207		mg/Kg		103	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	70 - 120
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
2-Butanone (MEK)	0.100	0.0957		mg/Kg		96	64 - 128
2-Hexanone	0.100	0.0889		mg/Kg		89	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0920		mg/Kg		92	80 - 120
Acetone	0.100	0.0945		mg/Kg		94	58 - 122
Acrolein	0.300	0.398		mg/Kg		133	54 - 158
Acrylonitrile	0.200	0.223		mg/Kg		111	56 - 120
Benzene	0.0200	0.0207		mg/Kg		104	75 - 120
Bromoform	0.0200	0.0178		mg/Kg		89	61 - 125
Bromomethane	0.0200	0.0642	*	mg/Kg		321	37 - 150
Carbon disulfide	0.0200	0.0239		mg/Kg		120	57 - 133
Carbon tetrachloride	0.0200	0.0217		mg/Kg		108	66 - 127
Chlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
Chlorobromomethane	0.0200	0.0215		mg/Kg		107	76 - 127
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	72 - 120
Chloroethane	0.0200	0.0224		mg/Kg		112	60 - 123
Chloroform	0.0200	0.0218		mg/Kg		109	79 - 126
Chloromethane	0.0200	0.0227		mg/Kg		114	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0219		mg/Kg		109	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	75 - 120
Cyclohexane	0.0200	0.0223		mg/Kg		112	65 - 132
Dichlorobromomethane	0.0200	0.0201		mg/Kg		100	77 - 124
Dichlorodifluoromethane	0.0200	0.0206		mg/Kg		103	45 - 129
Ethylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Ethylene Dibromide	0.0200	0.0185		mg/Kg		92	79 - 120
Isopropylbenzene	0.0200	0.0182		mg/Kg		91	74 - 120
Methyl acetate	0.0400	0.0424		mg/Kg		106	57 - 120
Methyl tert-butyl ether	0.0200	0.0207		mg/Kg		103	74 - 125
Methylcyclohexane	0.0200	0.0194		mg/Kg		97	66 - 125
Methylene Chloride	0.0200	0.0205		mg/Kg		103	78 - 120
m-Xylene & p-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120
n-Butylbenzene	0.0200	0.0166		mg/Kg		83	72 - 120
N-Propylbenzene	0.0200	0.0187		mg/Kg		94	68 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022579/3
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.0200	0.0190		mg/Kg		95	80 - 120		
sec-Butylbenzene			0.0200	0.0178		mg/Kg		89	78 - 120		
Styrene			0.0200	0.0187		mg/Kg		94	80 - 120		
TBA			0.200	0.193		mg/Kg		96	79 - 120		
tert-Butylbenzene			0.0200	0.0183		mg/Kg		92	80 - 120		
Tetrachloroethene			0.0200	0.0207		mg/Kg		103	73 - 120		
Toluene			0.0200	0.0203		mg/Kg		102	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0229		mg/Kg		115	78 - 120		
trans-1,3-Dichloropropene			0.0200	0.0180		mg/Kg		90	77 - 120		
Trichloroethene			0.0200	0.0215		mg/Kg		107	80 - 120		
Trichlorofluoromethane			0.0200	0.0238		mg/Kg		119	61 - 130		
Vinyl chloride			0.0200	0.0265	*	mg/Kg		132	54 - 122		
Xylenes, Total			0.0400	0.0374		mg/Kg		94	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*65 - 138*
4-Bromofluorobenzene	*105*		*71 - 128*
Dibromofluoromethane (Surr)	*121*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1022579/4
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0201		mg/Kg		101	78 - 120	9	30
1,1,2,2-Tetrachloroethane			0.0200	0.0171		mg/Kg		85	70 - 133	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0222		mg/Kg		111	75 - 121	10	30
1,1,2-Trichloroethane			0.0200	0.0184		mg/Kg		92	80 - 120	7	30
1,1-Dichloroethane			0.0200	0.0202		mg/Kg		101	72 - 120	9	30
1,1-Dichloroethene			0.0200	0.0213		mg/Kg		106	76 - 120	12	30
1,2,3-Trichlorobenzene			0.0200	0.0178		mg/Kg		89	77 - 137	2	30
1,2,4-Trichlorobenzene			0.0200	0.0179		mg/Kg		89	77 - 136	0	30
1,2,4-Trimethylbenzene			0.0200	0.0175		mg/Kg		88	75 - 120	3	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0152	*	mg/Kg		76	80 - 124	13	30
1,2-Dichlorobenzene			0.0200	0.0176		mg/Kg		88	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0182		mg/Kg		91	70 - 123	8	30
1,2-Dichloropropane			0.0200	0.0194		mg/Kg		97	73 - 124	7	30
1,3,5-Trimethylbenzene			0.0200	0.0180		mg/Kg		90	70 - 120	1	30
1,3-Dichlorobenzene			0.0200	0.0183		mg/Kg		91	80 - 120	6	30
1,4-Dichlorobenzene			0.0200	0.0181		mg/Kg		90	80 - 120	5	30
2-Butanone (MEK)			0.100	0.0892		mg/Kg		89	64 - 128	7	30
2-Hexanone			0.100	0.0828		mg/Kg		83	75 - 120	7	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0863		mg/Kg		86	80 - 120	6	30
Acetone			0.100	0.0863		mg/Kg		86	58 - 122	9	30
Acrolein			0.300	0.353		mg/Kg		118	54 - 158	12	30
Acrylonitrile			0.200	0.199		mg/Kg		99	56 - 120	11	30
Benzene			0.0200	0.0192		mg/Kg		96	75 - 120	8	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022579/4
Matrix: Solid
Analysis Batch: 1022579

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform			0.0200	0.0164		mg/Kg		82	61 - 125	8	30
Bromomethane			0.0200	0.0570	*	mg/Kg		285	37 - 150	12	30
Carbon disulfide			0.0200	0.0213		mg/Kg		106	57 - 133	12	30
Carbon tetrachloride			0.0200	0.0195		mg/Kg		97	66 - 127	11	30
Chlorobenzene			0.0200	0.0180		mg/Kg		90	80 - 120	7	30
Chlorobromomethane			0.0200	0.0198		mg/Kg		99	76 - 127	8	30
Chlorodibromomethane			0.0200	0.0170		mg/Kg		85	72 - 120	7	30
Chloroethane			0.0200	0.0206		mg/Kg		103	60 - 123	9	30
Chloroform			0.0200	0.0199		mg/Kg		100	79 - 126	9	30
Chloromethane			0.0200	0.0203		mg/Kg		101	46 - 122	11	30
cis-1,2-Dichloroethene			0.0200	0.0204		mg/Kg		102	80 - 123	7	30
cis-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		89	75 - 120	7	30
Cyclohexane			0.0200	0.0212		mg/Kg		106	65 - 132	5	30
Dichlorobromomethane			0.0200	0.0188		mg/Kg		94	77 - 124	6	30
Dichlorodifluoromethane			0.0200	0.0182		mg/Kg		91	45 - 129	12	30
Ethylbenzene			0.0200	0.0182		mg/Kg		91	80 - 120	5	30
Ethylene Dibromide			0.0200	0.0169		mg/Kg		85	79 - 120	9	30
Isopropylbenzene			0.0200	0.0180		mg/Kg		90	74 - 120	1	30
Methyl acetate			0.0400	0.0377		mg/Kg		94	57 - 120	12	30
Methyl tert-butyl ether			0.0200	0.0189		mg/Kg		94	74 - 125	9	30
Methylcyclohexane			0.0200	0.0205		mg/Kg		102	66 - 125	6	30
Methylene Chloride			0.0200	0.0187		mg/Kg		93	78 - 120	10	30
m-Xylene & p-Xylene			0.0200	0.0176		mg/Kg		88	80 - 120	5	30
n-Butylbenzene			0.0200	0.0174		mg/Kg		87	72 - 120	5	30
N-Propylbenzene			0.0200	0.0186		mg/Kg		93	68 - 120	0	30
o-Xylene			0.0200	0.0183		mg/Kg		91	80 - 120	4	30
sec-Butylbenzene			0.0200	0.0186		mg/Kg		93	78 - 120	4	30
Styrene			0.0200	0.0177		mg/Kg		89	80 - 120	5	30
TBA			0.200	0.173		mg/Kg		86	79 - 120	11	30
tert-Butylbenzene			0.0200	0.0185		mg/Kg		92	80 - 120	1	30
Tetrachloroethene			0.0200	0.0195		mg/Kg		98	73 - 120	6	30
Toluene			0.0200	0.0188		mg/Kg		94	80 - 120	8	30
trans-1,2-Dichloroethene			0.0200	0.0208		mg/Kg		104	78 - 120	10	30
trans-1,3-Dichloropropene			0.0200	0.0168		mg/Kg		84	77 - 120	7	30
Trichloroethene			0.0200	0.0199		mg/Kg		100	80 - 120	8	30
Trichlorofluoromethane			0.0200	0.0209		mg/Kg		104	61 - 130	13	30
Vinyl chloride			0.0200	0.0233		mg/Kg		116	54 - 122	13	30
Xylenes, Total			0.0400	0.0359		mg/Kg		90	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*116*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022652/9
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.050	U	0.050	0.014	mg/Kg			02/24/25 09:47	50
1,1,2,2-Tetrachloroethane	0.050	U	0.050	0.0099	mg/Kg			02/24/25 09:47	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.050	U	0.050	0.017	mg/Kg			02/24/25 09:47	50
1,1,2-Trichloroethane	0.050	U	0.050	0.010	mg/Kg			02/24/25 09:47	50
1,1-Dichloroethane	0.050	U	0.050	0.012	mg/Kg			02/24/25 09:47	50
1,1-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
1,2,3-Trichlorobenzene	0.050	U	0.050	0.018	mg/Kg			02/24/25 09:47	50
1,2,4-Trichlorobenzene	0.050	U	0.050	0.014	mg/Kg			02/24/25 09:47	50
1,2,4-Trimethylbenzene	0.050	U	0.050	0.012	mg/Kg			02/24/25 09:47	50
1,2-Dibromo-3-Chloropropane	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
1,2-Dichlorobenzene	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
1,2-Dichloroethane	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
1,2-Dichloropropane	0.050	U	0.050	0.0090	mg/Kg			02/24/25 09:47	50
1,3,5-Trimethylbenzene	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
1,3-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			02/24/25 09:47	50
1,4-Dichlorobenzene	0.050	U	0.050	0.017	mg/Kg			02/24/25 09:47	50
2-Butanone (MEK)	0.25	U	0.25	0.11	mg/Kg			02/24/25 09:47	50
2-Hexanone	0.25	U	0.25	0.057	mg/Kg			02/24/25 09:47	50
4-Methyl-2-pentanone (MIBK)	0.25	U	0.25	0.065	mg/Kg			02/24/25 09:47	50
Acetone	0.25	U	0.25	0.22	mg/Kg			02/24/25 09:47	50
Acrolein	0.25	U	0.25	0.12	mg/Kg			02/24/25 09:47	50
Acrylonitrile	0.50	U	0.50	0.091	mg/Kg			02/24/25 09:47	50
Benzene	0.050	U	0.050	0.010	mg/Kg			02/24/25 09:47	50
Bromoform	0.050	U	0.050	0.0090	mg/Kg			02/24/25 09:47	50
Bromomethane	0.050	U	0.050	0.028	mg/Kg			02/24/25 09:47	50
Carbon disulfide	0.050	U	0.050	0.034	mg/Kg			02/24/25 09:47	50
Carbon tetrachloride	0.050	U	0.050	0.017	mg/Kg			02/24/25 09:47	50
Chlorobenzene	0.050	U	0.050	0.012	mg/Kg			02/24/25 09:47	50
Chlorobromomethane	0.050	U	0.050	0.015	mg/Kg			02/24/25 09:47	50
Chlorodibromomethane	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Chloroethane	0.050	U	0.050	0.019	mg/Kg			02/24/25 09:47	50
Chloroform	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Chloromethane	0.050	U	0.050	0.020	mg/Kg			02/24/25 09:47	50
cis-1,2-Dichloroethene	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
cis-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Cyclohexane	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
Dichlorobromomethane	0.050	U	0.050	0.0075	mg/Kg			02/24/25 09:47	50
Dichlorodifluoromethane	0.050	U	0.050	0.016	mg/Kg			02/24/25 09:47	50
Ethylbenzene	0.050	U	0.050	0.015	mg/Kg			02/24/25 09:47	50
Ethylene Dibromide	0.050	U	0.050	0.0095	mg/Kg			02/24/25 09:47	50
Isopropylbenzene	0.050	U	0.050	0.016	mg/Kg			02/24/25 09:47	50
Methyl acetate	0.25	U	0.25	0.039	mg/Kg			02/24/25 09:47	50
Methyl tert-butyl ether	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Methylcyclohexane	0.050	U	0.050	0.036	mg/Kg			02/24/25 09:47	50
Methylene Chloride	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
m-Xylene & p-Xylene	0.050	U	0.050	0.014	mg/Kg			02/24/25 09:47	50
n-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			02/24/25 09:47	50
N-Propylbenzene	0.050	U	0.050	0.015	mg/Kg			02/24/25 09:47	50

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1022652/9
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.050	U	0.050	0.016	mg/Kg			02/24/25 09:47	50
sec-Butylbenzene	0.050	U	0.050	0.016	mg/Kg			02/24/25 09:47	50
Styrene	0.050	U	0.050	0.0085	mg/Kg			02/24/25 09:47	50
TBA	0.50	U	0.50	0.41	mg/Kg			02/24/25 09:47	50
tert-Butylbenzene	0.050	U	0.050	0.014	mg/Kg			02/24/25 09:47	50
Tetrachloroethene	0.050	U	0.050	0.018	mg/Kg			02/24/25 09:47	50
Toluene	0.050	U	0.050	0.013	mg/Kg			02/24/25 09:47	50
trans-1,2-Dichloroethene	0.050	U	0.050	0.0090	mg/Kg			02/24/25 09:47	50
trans-1,3-Dichloropropene	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Trichloroethene	0.050	U	0.050	0.011	mg/Kg			02/24/25 09:47	50
Trichlorofluoromethane	0.050	U	0.050	0.016	mg/Kg			02/24/25 09:47	50
Vinyl chloride	0.050	U	0.050	0.010	mg/Kg			02/24/25 09:47	50
Xylenes, Total	0.10	U	0.10	0.014	mg/Kg			02/24/25 09:47	50

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*			*N/A*		*02/24/25 09:47*	*50*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*60 - 150*		*02/24/25 09:47*	*50*
4-Bromofluorobenzene	*85*		*70 - 150*		*02/24/25 09:47*	*50*
Dibromofluoromethane (Surr)	*114*		*68 - 150*		*02/24/25 09:47*	*50*
Toluene-d8 (Surr)	*104*		*64 - 157*		*02/24/25 09:47*	*50*

Lab Sample ID: LCS 460-1022652/4
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.00	0.942		mg/Kg		94	76 - 120
1,1,2,2-Tetrachloroethane	1.00	0.969		mg/Kg		97	72 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.03		mg/Kg		103	79 - 120
1,1,2-Trichloroethane	1.00	0.929		mg/Kg		93	80 - 120
1,1-Dichloroethane	1.00	0.959		mg/Kg		96	70 - 120
1,1-Dichloroethene	1.00	0.943		mg/Kg		94	69 - 120
1,2,3-Trichlorobenzene	1.00	0.957		mg/Kg		96	80 - 137
1,2,4-Trichlorobenzene	1.00	0.950		mg/Kg		95	80 - 134
1,2,4-Trimethylbenzene	1.00	0.962		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	1.00	0.987		mg/Kg		99	68 - 134
1,2-Dichlorobenzene	1.00	0.982		mg/Kg		98	80 - 120
1,2-Dichloroethane	1.00	0.831		mg/Kg		83	72 - 124
1,2-Dichloropropane	1.00	0.916		mg/Kg		92	74 - 120
1,3,5-Trimethylbenzene	1.00	0.932		mg/Kg		93	71 - 120
1,3-Dichlorobenzene	1.00	1.00		mg/Kg		100	80 - 120
1,4-Dichlorobenzene	1.00	0.971		mg/Kg		97	80 - 120
2-Butanone (MEK)	5.00	4.70		mg/Kg		94	64 - 121
2-Hexanone	5.00	5.04		mg/Kg		101	70 - 120
4-Methyl-2-pentanone (MIBK)	5.00	4.88		mg/Kg		98	64 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1022652/4
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	5.00	3.83		mg/Kg		77	52 - 127
Acrolein	2.00	1.73		mg/Kg		86	10 - 150
Acrylonitrile	10.0	9.01		mg/Kg		90	50 - 130
Benzene	1.00	0.985		mg/Kg		98	75 - 120
Bromoform	1.00	1.07		mg/Kg		107	68 - 122
Bromomethane	1.00	1.63	*	mg/Kg		163	16 - 125
Carbon disulfide	1.00	0.950		mg/Kg		95	59 - 127
Carbon tetrachloride	1.00	0.934		mg/Kg		93	77 - 120
Chlorobenzene	1.00	0.940		mg/Kg		94	80 - 120
Chlorobromomethane	1.00	0.889		mg/Kg		89	77 - 120
Chlorodibromomethane	1.00	0.957		mg/Kg		96	80 - 120
Chloroethane	1.00	1.82	*	mg/Kg		182	61 - 140
Chloroform	1.00	0.950		mg/Kg		95	73 - 120
Chloromethane	1.00	0.907		mg/Kg		91	42 - 136
cis-1,2-Dichloroethene	1.00	0.976		mg/Kg		98	73 - 120
cis-1,3-Dichloropropene	1.00	0.965		mg/Kg		96	79 - 120
Cyclohexane	1.00	1.03		mg/Kg		103	76 - 125
Dichlorobromomethane	1.00	0.936		mg/Kg		94	77 - 120
Dichlorodifluoromethane	1.00	0.848		mg/Kg		85	39 - 140
Ethylbenzene	1.00	0.922		mg/Kg		92	80 - 121
Ethylene Dibromide	1.00	0.937		mg/Kg		94	80 - 120
Isopropylbenzene	1.00	0.935		mg/Kg		94	74 - 125
Methyl acetate	2.00	1.97		mg/Kg		98	40 - 130
Methyl tert-butyl ether	1.00	0.851		mg/Kg		85	77 - 125
Methylcyclohexane	1.00	0.984		mg/Kg		98	75 - 127
Methylene Chloride	1.00	0.890		mg/Kg		89	73 - 120
m-Xylene & p-Xylene	1.00	0.937		mg/Kg		94	79 - 120
n-Butylbenzene	1.00	0.916		mg/Kg		92	68 - 120
N-Propylbenzene	1.00	0.955		mg/Kg		95	68 - 120
o-Xylene	1.00	0.947		mg/Kg		95	80 - 123
sec-Butylbenzene	1.00	0.920		mg/Kg		92	77 - 126
Styrene	1.00	0.969		mg/Kg		97	80 - 124
TBA	10.0	9.74		mg/Kg		97	75 - 120
tert-Butylbenzene	1.00	0.916		mg/Kg		92	80 - 120
Tetrachloroethene	1.00	0.993		mg/Kg		99	78 - 120
Toluene	1.00	0.969		mg/Kg		97	80 - 120
trans-1,2-Dichloroethene	1.00	0.964		mg/Kg		96	70 - 120
trans-1,3-Dichloropropene	1.00	0.964		mg/Kg		96	73 - 120
Trichloroethene	1.00	0.916		mg/Kg		92	77 - 120
Trichlorofluoromethane	1.00	1.01		mg/Kg		101	61 - 143
Vinyl chloride	1.00	0.947		mg/Kg		95	50 - 131
Xylenes, Total	2.00	1.88		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*60 - 150*
4-Bromofluorobenzene	*88*		*70 - 150*
Dibromofluoromethane (Surr)	*111*		*68 - 150*
Toluene-d8 (Surr)	*104*		*64 - 157*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022652/5
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			1.00	0.957		mg/Kg		96	76 - 120	2	30
1,1,2,2-Tetrachloroethane			1.00	0.965		mg/Kg		97	72 - 120	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			1.00	1.08		mg/Kg		108	79 - 120	5	30
1,1,2-Trichloroethane			1.00	0.915		mg/Kg		91	80 - 120	1	30
1,1-Dichloroethane			1.00	0.985		mg/Kg		99	70 - 120	3	30
1,1-Dichloroethene			1.00	0.941		mg/Kg		94	69 - 120	0	30
1,2,3-Trichlorobenzene			1.00	1.08		mg/Kg		108	80 - 137	12	30
1,2,4-Trichlorobenzene			1.00	0.980		mg/Kg		98	80 - 134	3	30
1,2,4-Trimethylbenzene			1.00	0.983		mg/Kg		98	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			1.00	0.912		mg/Kg		91	68 - 134	8	30
1,2-Dichlorobenzene			1.00	1.02		mg/Kg		102	80 - 120	4	30
1,2-Dichloroethane			1.00	0.845		mg/Kg		84	72 - 124	2	30
1,2-Dichloropropane			1.00	0.951		mg/Kg		95	74 - 120	4	30
1,3,5-Trimethylbenzene			1.00	0.944		mg/Kg		94	71 - 120	1	30
1,3-Dichlorobenzene			1.00	1.02		mg/Kg		102	80 - 120	1	30
1,4-Dichlorobenzene			1.00	0.994		mg/Kg		99	80 - 120	2	30
2-Butanone (MEK)			5.00	4.53		mg/Kg		91	64 - 121	4	30
2-Hexanone			5.00	5.14		mg/Kg		103	70 - 120	2	30
4-Methyl-2-pentanone (MIBK)			5.00	4.96		mg/Kg		99	64 - 127	2	30
Acetone			5.00	3.35		mg/Kg		67	52 - 127	13	30
Acrolein			2.00	2.01		mg/Kg		100	10 - 150	15	30
Acrylonitrile			10.0	8.28		mg/Kg		83	50 - 130	8	30
Benzene			1.00	0.980		mg/Kg		98	75 - 120	1	30
Bromoform			1.00	1.06		mg/Kg		106	68 - 122	1	30
Bromomethane			1.00	1.83	*	mg/Kg		183	16 - 125	12	30
Carbon disulfide			1.00	0.988		mg/Kg		99	59 - 127	4	30
Carbon tetrachloride			1.00	0.937		mg/Kg		94	77 - 120	0	30
Chlorobenzene			1.00	0.969		mg/Kg		97	80 - 120	3	30
Chlorobromomethane			1.00	0.867		mg/Kg		87	77 - 120	2	30
Chlorodibromomethane			1.00	0.950		mg/Kg		95	80 - 120	1	30
Chloroethane			1.00	1.82	*	mg/Kg		182	61 - 140	0	30
Chloroform			1.00	0.988		mg/Kg		99	73 - 120	4	30
Chloromethane			1.00	0.887		mg/Kg		89	42 - 136	2	30
cis-1,2-Dichloroethene			1.00	0.992		mg/Kg		99	73 - 120	2	30
cis-1,3-Dichloropropene			1.00	0.952		mg/Kg		95	79 - 120	1	30
Cyclohexane			1.00	1.02		mg/Kg		102	76 - 125	1	30
Dichlorobromomethane			1.00	0.964		mg/Kg		96	77 - 120	3	30
Dichlorodifluoromethane			1.00	0.830		mg/Kg		83	39 - 140	2	30
Ethylbenzene			1.00	0.949		mg/Kg		95	80 - 121	3	30
Ethylene Dibromide			1.00	0.938		mg/Kg		94	80 - 120	0	30
Isopropylbenzene			1.00	0.955		mg/Kg		96	74 - 125	2	30
Methyl acetate			2.00	1.88		mg/Kg		94	40 - 130	5	30
Methyl tert-butyl ether			1.00	0.777		mg/Kg		78	77 - 125	9	30
Methylcyclohexane			1.00	0.991		mg/Kg		99	75 - 127	1	30
Methylene Chloride			1.00	0.944		mg/Kg		94	73 - 120	6	30
m-Xylene & p-Xylene			1.00	0.965		mg/Kg		97	79 - 120	3	30
n-Butylbenzene			1.00	0.936		mg/Kg		94	68 - 120	2	30
N-Propylbenzene			1.00	0.962		mg/Kg		96	68 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1022652/5
Matrix: Solid
Analysis Batch: 1022652

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene			1.00	0.957		mg/Kg		96	80 - 123	1	30
sec-Butylbenzene			1.00	0.928		mg/Kg		93	77 - 126	1	30
Styrene			1.00	0.991		mg/Kg		99	80 - 124	2	30
TBA			10.0	9.56		mg/Kg		96	75 - 120	2	30
tert-Butylbenzene			1.00	0.933		mg/Kg		93	80 - 120	2	30
Tetrachloroethene			1.00	0.998		mg/Kg		100	78 - 120	0	30
Toluene			1.00	0.970		mg/Kg		97	80 - 120	0	30
trans-1,2-Dichloroethene			1.00	0.998		mg/Kg		100	70 - 120	3	30
trans-1,3-Dichloropropene			1.00	0.955		mg/Kg		96	73 - 120	1	30
Trichloroethene			1.00	0.923		mg/Kg		92	77 - 120	1	30
Trichlorofluoromethane			1.00	0.931		mg/Kg		93	61 - 143	8	30
Vinyl chloride			1.00	0.949		mg/Kg		95	50 - 131	0	30
Xylenes, Total			2.00	1.92		mg/Kg		96	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*60 - 150*
4-Bromofluorobenzene	*89*		*70 - 150*
Dibromofluoromethane (Surr)	*115*		*68 - 150*
Toluene-d8 (Surr)	*105*		*64 - 157*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-320634-21 DU
Matrix: Solid
Analysis Batch: 1021728

Client Sample ID: 12F3_1-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	3.0			9.9	*	%				107	20
Percent Solids	97.0			90.1		%				7	20

Lab Sample ID: 460-320634-26 DU
Matrix: Solid
Analysis Batch: 1021728

Client Sample ID: 12G3_1-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.1			7.1	*	%				32	20
Percent Solids	94.9			92.9		%				2	20

Lab Sample ID: 460-320634-30 DU
Matrix: Solid
Analysis Batch: 1021728

Client Sample ID: 12G1_9-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	7.1			9.4	*	%				28	20
Percent Solids	92.9			90.6		%				3	20

GC/MS VOA

Prep Batch: 1021830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-38	12I1_3-4	Total/NA	Solid	5035	

Prep Batch: 1021836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-1	12B2_4-5	Total/NA	Solid	5035	
460-320634-2	12B2_1-2	Total/NA	Solid	5035	
460-320634-3	12B3_1-2	Total/NA	Solid	5035	
460-320634-4	12B3_5-6	Total/NA	Solid	5035	
460-320634-5	12B3_9-10	Total/NA	Solid	5035	
460-320634-6	12C1_9-10	Total/NA	Solid	5035	
460-320634-7	12C2_9-10	Total/NA	Solid	5035	
460-320634-8	12C2_8-9	Total/NA	Solid	5035	
460-320634-9	12C2_1-2	Total/NA	Solid	5035	
460-320634-10	12C3_2-3	Total/NA	Solid	5035	
460-320634-11	12D1_3-4	Total/NA	Solid	5035	
460-320634-12	12D2_2-3	Total/NA	Solid	5035	
460-320634-13	12D2_9-10	Total/NA	Solid	5035	
460-320634-14	12D3_5-6	Total/NA	Solid	5035	
460-320634-15	12D3_9-10	Total/NA	Solid	5035	
460-320634-16	12E3_8-9	Total/NA	Solid	5035	
460-320634-17	12E_9-10	Total/NA	Solid	5035	
460-320634-18	12E1_1-2	Total/NA	Solid	5035	
460-320634-19	12E1_6-7	Total/NA	Solid	5035	
460-320634-20	12E1_8-9	Total/NA	Solid	5035	
460-320634-21	12F3_1-2	Total/NA	Solid	5035	
460-320634-22	12F2_9-2	Total/NA	Solid	5035	
460-320634-23	12F1_2-3	Total/NA	Solid	5035	
460-320634-24	12F1_9-10	Total/NA	Solid	5035	
460-320634-25	12F1_8-9	Total/NA	Solid	5035	

Prep Batch: 1021837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-26	12G3_1-2	Total/NA	Solid	5035	
460-320634-27	12G3_8-9	Total/NA	Solid	5035	
460-320634-28	12G3_9-10	Total/NA	Solid	5035	
460-320634-29	12G2_9-10	Total/NA	Solid	5035	
460-320634-30	12G1_9-10	Total/NA	Solid	5035	
460-320634-31	12H3_1-2	Total/NA	Solid	5035	
460-320634-32	12H3_9-10	Total/NA	Solid	5035	
460-320634-33	12H3_8-9	Total/NA	Solid	5035	
460-320634-34	12H2_9-10	Total/NA	Solid	5035	
460-320634-35	12H1_8-9	Total/NA	Solid	5035	
460-320634-36	12I3_11-12	Total/NA	Solid	5035	
460-320634-37	12I3_10-11	Total/NA	Solid	5035	
460-320634-39	12I1_6-7	Total/NA	Solid	5035	
460-320634-40	12I2_9-10	Total/NA	Solid	5035	
460-320634-41	12J2_9-10	Total/NA	Solid	5035	
460-320634-42	12J2_6-7	Total/NA	Solid	5035	
460-320634-43	12J1_1-2	Total/NA	Solid	5035	
460-320634-44	12J1_4-5	Total/NA	Solid	5035	
460-320634-45	16I2_5-6	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 1021837 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-46	16F1_9-10	Total/NA	Solid	5035	
460-320634-47	12A1_1-2	Total/NA	Solid	5035	
460-320634-48	12A2_1-2	Total/NA	Solid	5035	
460-320634-49	12A3_1-2	Total/NA	Solid	5035	
460-320634-50	12A3_5-6	Total/NA	Solid	5035	
460-320634-51	12A2_9-10	Total/NA	Solid	5035	
460-320634-53	12J3_11-12	Total/NA	Solid	5035	

Analysis Batch: 1022117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-52	TB-01_20250217	Total/NA	Water	8260D	
MB 460-1022117/8	Method Blank	Total/NA	Water	8260D	
LCS 460-1022117/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-1022117/5	Lab Control Sample Dup	Total/NA	Water	8260D	
460-320491-A-1 MS	Matrix Spike	Total/NA	Water	8260D	
460-320491-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260D	

Analysis Batch: 1022286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-1	12B2_4-5	Total/NA	Solid	8260D	1021836
460-320634-2	12B2_1-2	Total/NA	Solid	8260D	1021836
460-320634-5	12B3_9-10	Total/NA	Solid	8260D	1021836
460-320634-6	12C1_9-10	Total/NA	Solid	8260D	1021836
460-320634-7	12C2_9-10	Total/NA	Solid	8260D	1021836
460-320634-8	12C2_8-9	Total/NA	Solid	8260D	1021836
460-320634-9	12C2_1-2	Total/NA	Solid	8260D	1021836
460-320634-10	12C3_2-3	Total/NA	Solid	8260D	1021836
MB 460-1022286/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1022286/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1022286/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1022347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-11	12D1_3-4	Total/NA	Solid	8260D	1021836
460-320634-12	12D2_2-3	Total/NA	Solid	8260D	1021836
460-320634-13	12D2_9-10	Total/NA	Solid	8260D	1021836
460-320634-14	12D3_5-6	Total/NA	Solid	8260D	1021836
460-320634-15	12D3_9-10	Total/NA	Solid	8260D	1021836
460-320634-16	12E3_8-9	Total/NA	Solid	8260D	1021836
460-320634-17	12E_9-10	Total/NA	Solid	8260D	1021836
460-320634-18	12E1_1-2	Total/NA	Solid	8260D	1021836
460-320634-19	12E1_6-7	Total/NA	Solid	8260D	1021836
460-320634-20	12E1_8-9	Total/NA	Solid	8260D	1021836
460-320634-21	12F3_1-2	Total/NA	Solid	8260D	1021836
460-320634-22	12F2_9-2	Total/NA	Solid	8260D	1021836
460-320634-23	12F1_2-3	Total/NA	Solid	8260D	1021836
460-320634-24	12F1_9-10	Total/NA	Solid	8260D	1021836
460-320634-25	12F1_8-9	Total/NA	Solid	8260D	1021836
460-320634-26	12G3_1-2	Total/NA	Solid	8260D	1021837
460-320634-27	12G3_8-9	Total/NA	Solid	8260D	1021837
460-320634-28	12G3_9-10	Total/NA	Solid	8260D	1021837

GC/MS VOA (Continued)

Analysis Batch: 1022347 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-29	12G2_9-10	Total/NA	Solid	8260D	1021837
MB 460-1022347/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1022347/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1022347/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1022461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-3	12B3_1-2	Total/NA	Solid	8260D	1021836
460-320634-4	12B3_5-6	Total/NA	Solid	8260D	1021836
460-320634-30	12G1_9-10	Total/NA	Solid	8260D	1021837
460-320634-31	12H3_1-2	Total/NA	Solid	8260D	1021837
460-320634-32	12H3_9-10	Total/NA	Solid	8260D	1021837
460-320634-33	12H3_8-9	Total/NA	Solid	8260D	1021837
460-320634-34	12H2_9-10	Total/NA	Solid	8260D	1021837
460-320634-35	12H1_8-9	Total/NA	Solid	8260D	1021837
460-320634-36	12I3_11-12	Total/NA	Solid	8260D	1021837
460-320634-37	12I3_10-11	Total/NA	Solid	8260D	1021837
460-320634-40	12I2_9-10	Total/NA	Solid	8260D	1021837
460-320634-41	12J2_9-10	Total/NA	Solid	8260D	1021837
460-320634-42	12J2_6-7	Total/NA	Solid	8260D	1021837
460-320634-43	12J1_1-2	Total/NA	Solid	8260D	1021837
460-320634-44	12J1_4-5	Total/NA	Solid	8260D	1021837
460-320634-45	16I2_5-6	Total/NA	Solid	8260D	1021837
460-320634-46	16F1_9-10	Total/NA	Solid	8260D	1021837
460-320634-47	12A1_1-2	Total/NA	Solid	8260D	1021837
MB 460-1022461/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1022461/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1022461/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1022579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-39	12I1_6-7	Total/NA	Solid	8260D	1021837
460-320634-48	12A2_1-2	Total/NA	Solid	8260D	1021837
460-320634-49	12A3_1-2	Total/NA	Solid	8260D	1021837
460-320634-50	12A3_5-6	Total/NA	Solid	8260D	1021837
460-320634-51	12A2_9-10	Total/NA	Solid	8260D	1021837
460-320634-53	12J3_11-12	Total/NA	Solid	8260D	1021837
MB 460-1022579/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1022579/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1022579/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1022652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-38	12I1_3-4	Total/NA	Solid	8260D	1021830
MB 460-1022652/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-1022652/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1022652/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1021728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-1	12B2_4-5	Total/NA	Solid	Moisture	
460-320634-2	12B2_1-2	Total/NA	Solid	Moisture	
460-320634-3	12B3_1-2	Total/NA	Solid	Moisture	
460-320634-4	12B3_5-6	Total/NA	Solid	Moisture	
460-320634-5	12B3_9-10	Total/NA	Solid	Moisture	
460-320634-6	12C1_9-10	Total/NA	Solid	Moisture	
460-320634-7	12C2_9-10	Total/NA	Solid	Moisture	
460-320634-8	12C2_8-9	Total/NA	Solid	Moisture	
460-320634-9	12C2_1-2	Total/NA	Solid	Moisture	
460-320634-10	12C3_2-3	Total/NA	Solid	Moisture	
460-320634-11	12D1_3-4	Total/NA	Solid	Moisture	
460-320634-12	12D2_2-3	Total/NA	Solid	Moisture	
460-320634-13	12D2_9-10	Total/NA	Solid	Moisture	
460-320634-14	12D3_5-6	Total/NA	Solid	Moisture	
460-320634-15	12D3_9-10	Total/NA	Solid	Moisture	
460-320634-16	12E3_8-9	Total/NA	Solid	Moisture	
460-320634-17	12E_9-10	Total/NA	Solid	Moisture	
460-320634-18	12E1_1-2	Total/NA	Solid	Moisture	
460-320634-19	12E1_6-7	Total/NA	Solid	Moisture	
460-320634-20	12E1_8-9	Total/NA	Solid	Moisture	
460-320634-21	12F3_1-2	Total/NA	Solid	Moisture	
460-320634-22	12F2_9-2	Total/NA	Solid	Moisture	
460-320634-23	12F1_2-3	Total/NA	Solid	Moisture	
460-320634-24	12F1_9-10	Total/NA	Solid	Moisture	
460-320634-25	12F1_8-9	Total/NA	Solid	Moisture	
460-320634-26	12G3_1-2	Total/NA	Solid	Moisture	
460-320634-27	12G3_8-9	Total/NA	Solid	Moisture	
460-320634-28	12G3_9-10	Total/NA	Solid	Moisture	
460-320634-29	12G2_9-10	Total/NA	Solid	Moisture	
460-320634-30	12G1_9-10	Total/NA	Solid	Moisture	
460-320634-31	12H3_1-2	Total/NA	Solid	Moisture	
460-320634-32	12H3_9-10	Total/NA	Solid	Moisture	
460-320634-33	12H3_8-9	Total/NA	Solid	Moisture	
460-320634-34	12H2_9-10	Total/NA	Solid	Moisture	
460-320634-35	12H1_8-9	Total/NA	Solid	Moisture	
460-320634-36	12I3_11-12	Total/NA	Solid	Moisture	
460-320634-37	12I3_10-11	Total/NA	Solid	Moisture	
460-320634-38	12I1_3-4	Total/NA	Solid	Moisture	
460-320634-39	12I1_6-7	Total/NA	Solid	Moisture	
460-320634-40	12I2_9-10	Total/NA	Solid	Moisture	
460-320634-41	12J2_9-10	Total/NA	Solid	Moisture	
460-320634-42	12J2_6-7	Total/NA	Solid	Moisture	
460-320634-43	12J1_1-2	Total/NA	Solid	Moisture	
460-320634-44	12J1_4-5	Total/NA	Solid	Moisture	
460-320634-45	16I2_5-6	Total/NA	Solid	Moisture	
460-320634-46	16F1_9-10	Total/NA	Solid	Moisture	
460-320634-47	12A1_1-2	Total/NA	Solid	Moisture	
460-320634-48	12A2_1-2	Total/NA	Solid	Moisture	
460-320634-49	12A3_1-2	Total/NA	Solid	Moisture	
460-320634-50	12A3_5-6	Total/NA	Solid	Moisture	
460-320634-51	12A2_9-10	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1021728 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-320634-53	12J3_11-12	Total/NA	Solid	Moisture	
200-76979-D-1 MS	Matrix Spike	Total/NA	Solid	Moisture	
200-76979-D-1 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-320634-21 DU	12F3_1-2	Total/NA	Solid	Moisture	
460-320634-26 DU	12G3_1-2	Total/NA	Solid	Moisture	
460-320634-30 DU	12G1_9-10	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12B2_4-5
Date Collected: 02/17/25 07:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12B2_4-5
Date Collected: 02/17/25 07:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-1
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:02
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 12:31

Client Sample ID: 12B2_1-2
Date Collected: 02/17/25 07:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12B2_1-2
Date Collected: 02/17/25 07:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-2
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:02
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 12:56

Client Sample ID: 12B3_1-2
Date Collected: 02/17/25 08:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12B3_1-2
Date Collected: 02/17/25 08:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-3
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:03
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 09:18

Client Sample ID: 12B3_5-6
Date Collected: 02/17/25 08:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12B3_5-6
Date Collected: 02/17/25 08:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-4
Matrix: Solid
Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:03
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 08:28

Client Sample ID: 12B3_9-10
Date Collected: 02/17/25 08:07
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12B3_9-10
Date Collected: 02/17/25 08:07
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-5
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:04
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 14:11

Client Sample ID: 12C1_9-10
Date Collected: 02/17/25 08:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12C1_9-10
Date Collected: 02/17/25 08:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-6
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:04
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 14:37

Client Sample ID: 12C2_9-10
Date Collected: 02/17/25 08:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12C2_9-10
Date Collected: 02/17/25 08:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-7
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:05
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 15:02

Client Sample ID: 12C2_8-9
Date Collected: 02/17/25 08:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12C2_8-9
Date Collected: 02/17/25 08:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-8
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:05
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 15:27

Client Sample ID: 12C2_1-2
Date Collected: 02/17/25 08:23
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12C2_1-2
Date Collected: 02/17/25 08:23
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-9
Matrix: Solid
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:06
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 15:52

Client Sample ID: 12C3_2-3
Date Collected: 02/17/25 08:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12C3_2-3
Date Collected: 02/17/25 08:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-10
Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:07
Total/NA	Analysis	8260D		1	1022286	AAT	EET EDI	02/21/25 16:16

Client Sample ID: 12D1_3-4
Date Collected: 02/17/25 08:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12D1_3-4
Date Collected: 02/17/25 08:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-11
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:07
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 19:58

Client Sample ID: 12D2_2-3
Date Collected: 02/17/25 08:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12D2_2-3
Date Collected: 02/17/25 08:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-12
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:08
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 20:22

Client Sample ID: 12D2_9-10
Date Collected: 02/17/25 08:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12D2_9-10
Date Collected: 02/17/25 08:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-13
Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:08
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 20:47

Client Sample ID: 12D3_5-6
Date Collected: 02/17/25 08:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12D3_5-6
Date Collected: 02/17/25 08:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-14
Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:09
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 21:12

Client Sample ID: 12D3_9-10
Date Collected: 02/17/25 08:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12D3_9-10
Date Collected: 02/17/25 08:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-15
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:09
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 21:37

Client Sample ID: 12E3_8-9
Date Collected: 02/17/25 08:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12E3_8-9

Lab Sample ID: 460-320634-16
Date Collected: 02/17/25 08:55
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:10
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 22:02

Client Sample ID: 12E_9-10

Lab Sample ID: 460-320634-17
Date Collected: 02/17/25 09:00
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12E_9-10

Lab Sample ID: 460-320634-17
Date Collected: 02/17/25 09:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:10
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 22:28

Client Sample ID: 12E1_1-2

Lab Sample ID: 460-320634-18
Date Collected: 02/17/25 09:05
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12E1_1-2

Lab Sample ID: 460-320634-18
Date Collected: 02/17/25 09:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:11
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 22:52

Client Sample ID: 12E1_6-7

Lab Sample ID: 460-320634-19
Date Collected: 02/17/25 09:20
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12E1_6-7
Date Collected: 02/17/25 09:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-19
Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:12
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 23:17

Client Sample ID: 12E1_8-9
Date Collected: 02/17/25 09:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12E1_8-9
Date Collected: 02/17/25 09:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-20
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:12
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/21/25 23:42

Client Sample ID: 12F3_1-2
Date Collected: 02/17/25 09:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12F3_1-2
Date Collected: 02/17/25 09:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-21
Matrix: Solid
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:13
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 00:06

Client Sample ID: 12F2_9-2
Date Collected: 02/17/25 09:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12F2_9-2
Date Collected: 02/17/25 09:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-22
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:13
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 00:31

Client Sample ID: 12F1_2-3
Date Collected: 02/17/25 09:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12F1_2-3
Date Collected: 02/17/25 09:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-23
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:14
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 00:56

Client Sample ID: 12F1_9-10
Date Collected: 02/17/25 09:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12F1_9-10
Date Collected: 02/17/25 09:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-24
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:14
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 01:21

Client Sample ID: 12F1_8-9
Date Collected: 02/17/25 09:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12F1_8-9
Date Collected: 02/17/25 09:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-25
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021836	EMM	EET EDI	02/18/25 18:15
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 01:46

Client Sample ID: 12G3_1-2
Date Collected: 02/17/25 09:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12G3_1-2
Date Collected: 02/17/25 09:55
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-26
Matrix: Solid
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:19
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 02:11

Client Sample ID: 12G3_8-9
Date Collected: 02/17/25 10:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12G3_8-9
Date Collected: 02/17/25 10:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-27
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:19
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 02:36

Client Sample ID: 12G3_9-10
Date Collected: 02/17/25 10:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12G3_9-10
Date Collected: 02/17/25 10:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-28
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:19
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 03:01

Client Sample ID: 12G2_9-10
Date Collected: 02/17/25 10:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12G2_9-10
Date Collected: 02/17/25 10:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-29
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:20
Total/NA	Analysis	8260D		1	1022347	AAT	EET EDI	02/22/25 03:38

Client Sample ID: 12G1_9-10
Date Collected: 02/17/25 10:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12G1_9-10
Date Collected: 02/17/25 10:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-30
Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:20
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 08:53

Client Sample ID: 12H3_1-2
Date Collected: 02/17/25 10:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12H3_1-2
Date Collected: 02/17/25 10:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-31
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:21
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 09:43

Client Sample ID: 12H3_9-10
Date Collected: 02/17/25 10:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12H3_9-10
Date Collected: 02/17/25 10:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-32
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:21
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 10:08

Client Sample ID: 12H3_8-9
Date Collected: 02/17/25 10:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12H3_8-9
Date Collected: 02/17/25 10:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-33
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:21
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 10:33

Client Sample ID: 12H2_9-10
Date Collected: 02/17/25 10:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12H2_9-10
Date Collected: 02/17/25 10:35
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-34
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:22
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 10:58

Client Sample ID: 12H1_8-9
Date Collected: 02/17/25 10:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12H1_8-9
Date Collected: 02/17/25 10:40
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-35
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:22
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 11:22

Client Sample ID: 12I3_11-12
Date Collected: 02/17/25 10:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12I3_11-12
Date Collected: 02/17/25 10:45
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-36
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:23
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 11:47

Client Sample ID: 12I3_10-11
Date Collected: 02/17/25 10:50
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12I3_10-11

Lab Sample ID: 460-320634-37

Date Collected: 02/17/25 10:50

Matrix: Solid

Date Received: 02/17/25 16:21

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:23
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 12:12

Client Sample ID: 12I1_3-4

Lab Sample ID: 460-320634-38

Date Collected: 02/17/25 10:55

Matrix: Solid

Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12I1_3-4

Lab Sample ID: 460-320634-38

Date Collected: 02/17/25 10:55

Matrix: Solid

Date Received: 02/17/25 16:21

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021830	EMM	EET EDI	02/18/25 16:45
Total/NA	Analysis	8260D		50	1022652	AAT	EET EDI	02/24/25 10:11

Client Sample ID: 12I1_6-7

Lab Sample ID: 460-320634-39

Date Collected: 02/17/25 11:00

Matrix: Solid

Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12I1_6-7

Lab Sample ID: 460-320634-39

Date Collected: 02/17/25 11:00

Matrix: Solid

Date Received: 02/17/25 16:21

Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:24
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 17:46

Client Sample ID: 12I2_9-10

Lab Sample ID: 460-320634-40

Date Collected: 02/17/25 11:05

Matrix: Solid

Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12I2_9-10
Date Collected: 02/17/25 11:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-40
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:24
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 13:27

Client Sample ID: 12J2_9-10
Date Collected: 02/17/25 11:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12J2_9-10
Date Collected: 02/17/25 11:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-41
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:25
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 13:52

Client Sample ID: 12J2_6-7
Date Collected: 02/17/25 11:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12J2_6-7
Date Collected: 02/17/25 11:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-42
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:25
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 14:17

Client Sample ID: 12J1_1-2
Date Collected: 02/17/25 11:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12J1_1-2
Date Collected: 02/17/25 11:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-43
Matrix: Solid
Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:26
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 14:42

Client Sample ID: 12J1_4-5
Date Collected: 02/17/25 11:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12J1_4-5
Date Collected: 02/17/25 11:30
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-44
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:26
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 15:08

Client Sample ID: 16I2_5-6
Date Collected: 02/17/25 12:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 16I2_5-6
Date Collected: 02/17/25 12:05
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-45
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:27
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 15:32

Client Sample ID: 16F1_9-10
Date Collected: 02/17/25 12:00
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 16F1_9-10

Lab Sample ID: 460-320634-46
Date Collected: 02/17/25 12:00
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:27
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 15:57

Client Sample ID: 12A1_1-2

Lab Sample ID: 460-320634-47
Date Collected: 02/17/25 13:05
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12A1_1-2

Lab Sample ID: 460-320634-47
Date Collected: 02/17/25 13:05
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:27
Total/NA	Analysis	8260D		1	1022461	AAT	EET EDI	02/22/25 16:22

Client Sample ID: 12A2_1-2

Lab Sample ID: 460-320634-48
Date Collected: 02/17/25 13:10
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12A2_1-2

Lab Sample ID: 460-320634-48
Date Collected: 02/17/25 13:10
Matrix: Solid
Date Received: 02/17/25 16:21
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:28
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 15:28

Client Sample ID: 12A3_1-2

Lab Sample ID: 460-320634-49
Date Collected: 02/17/25 13:15
Matrix: Solid
Date Received: 02/17/25 16:21

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12A3_1-2
Date Collected: 02/17/25 13:15
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-49
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:28
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 15:51

Client Sample ID: 12A3_5-6
Date Collected: 02/17/25 13:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12A3_5-6
Date Collected: 02/17/25 13:20
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-50
Matrix: Solid
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:29
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 16:14

Client Sample ID: 12A2_9-10
Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Client Sample ID: 12A2_9-10
Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-51
Matrix: Solid
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:29
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 16:37

Client Sample ID: TB-01_20250217
Date Collected: 02/17/25 13:25
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-52
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	1022117	SZD	EET EDI	02/20/25 18:27

Client Sample ID: 12J3_11-12
Date Collected: 02/17/25 11:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1021728	MVA	EET EDI	02/18/25 08:09

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Client Sample ID: 12J3_11-12

Date Collected: 02/17/25 11:10
Date Received: 02/17/25 16:21

Lab Sample ID: 460-320634-53

Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1021837	EMM	EET EDI	02/18/25 18:30
Total/NA	Analysis	8260D		1	1022579	VBP	EET EDI	02/23/25 17:00

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5030C	Purge and Trap	SW846	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-320634-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-320634-1	12B2_4-5	Solid	02/17/25 07:50	02/17/25 16:21
460-320634-2	12B2_1-2	Solid	02/17/25 07:55	02/17/25 16:21
460-320634-3	12B3_1-2	Solid	02/17/25 08:00	02/17/25 16:21
460-320634-4	12B3_5-6	Solid	02/17/25 08:05	02/17/25 16:21
460-320634-5	12B3_9-10	Solid	02/17/25 08:07	02/17/25 16:21
460-320634-6	12C1_9-10	Solid	02/17/25 08:10	02/17/25 16:21
460-320634-7	12C2_9-10	Solid	02/17/25 08:15	02/17/25 16:21
460-320634-8	12C2_8-9	Solid	02/17/25 08:20	02/17/25 16:21
460-320634-9	12C2_1-2	Solid	02/17/25 08:23	02/17/25 16:21
460-320634-10	12C3_2-3	Solid	02/17/25 08:25	02/17/25 16:21
460-320634-11	12D1_3-4	Solid	02/17/25 08:30	02/17/25 16:21
460-320634-12	12D2_2-3	Solid	02/17/25 08:35	02/17/25 16:21
460-320634-13	12D2_9-10	Solid	02/17/25 08:40	02/17/25 16:21
460-320634-14	12D3_5-6	Solid	02/17/25 08:45	02/17/25 16:21
460-320634-15	12D3_9-10	Solid	02/17/25 08:50	02/17/25 16:21
460-320634-16	12E3_8-9	Solid	02/17/25 08:55	02/17/25 16:21
460-320634-17	12E_9-10	Solid	02/17/25 09:00	02/17/25 16:21
460-320634-18	12E1_1-2	Solid	02/17/25 09:05	02/17/25 16:21
460-320634-19	12E1_6-7	Solid	02/17/25 09:20	02/17/25 16:21
460-320634-20	12E1_8-9	Solid	02/17/25 09:25	02/17/25 16:21
460-320634-21	12F3_1-2	Solid	02/17/25 09:30	02/17/25 16:21
460-320634-22	12F2_9-2	Solid	02/17/25 09:35	02/17/25 16:21
460-320634-23	12F1_2-3	Solid	02/17/25 09:40	02/17/25 16:21
460-320634-24	12F1_9-10	Solid	02/17/25 09:50	02/17/25 16:21
460-320634-25	12F1_8-9	Solid	02/17/25 09:45	02/17/25 16:21
460-320634-26	12G3_1-2	Solid	02/17/25 09:55	02/17/25 16:21
460-320634-27	12G3_8-9	Solid	02/17/25 10:00	02/17/25 16:21
460-320634-28	12G3_9-10	Solid	02/17/25 10:05	02/17/25 16:21
460-320634-29	12G2_9-10	Solid	02/17/25 10:10	02/17/25 16:21
460-320634-30	12G1_9-10	Solid	02/17/25 10:15	02/17/25 16:21
460-320634-31	12H3_1-2	Solid	02/17/25 10:20	02/17/25 16:21
460-320634-32	12H3_9-10	Solid	02/17/25 10:25	02/17/25 16:21
460-320634-33	12H3_8-9	Solid	02/17/25 10:30	02/17/25 16:21
460-320634-34	12H2_9-10	Solid	02/17/25 10:35	02/17/25 16:21
460-320634-35	12H1_8-9	Solid	02/17/25 10:40	02/17/25 16:21
460-320634-36	12I3_11-12	Solid	02/17/25 10:45	02/17/25 16:21
460-320634-37	12I3_10-11	Solid	02/17/25 10:50	02/17/25 16:21
460-320634-38	12I1_3-4	Solid	02/17/25 10:55	02/17/25 16:21
460-320634-39	12I1_6-7	Solid	02/17/25 11:00	02/17/25 16:21
460-320634-40	12I2_9-10	Solid	02/17/25 11:05	02/17/25 16:21
460-320634-41	12J2_9-10	Solid	02/17/25 11:15	02/17/25 16:21
460-320634-42	12J2_6-7	Solid	02/17/25 11:20	02/17/25 16:21
460-320634-43	12J1_1-2	Solid	02/17/25 11:25	02/17/25 16:21
460-320634-44	12J1_4-5	Solid	02/17/25 11:30	02/17/25 16:21
460-320634-45	16I2_5-6	Solid	02/17/25 12:05	02/17/25 16:21
460-320634-46	16F1_9-10	Solid	02/17/25 12:00	02/17/25 16:21
460-320634-47	12A1_1-2	Solid	02/17/25 13:05	02/17/25 16:21
460-320634-48	12A2_1-2	Solid	02/17/25 13:10	02/17/25 16:21
460-320634-49	12A3_1-2	Solid	02/17/25 13:15	02/17/25 16:21
460-320634-50	12A3_5-6	Solid	02/17/25 13:20	02/17/25 16:21
460-320634-51	12A2_9-10	Solid	02/17/25 13:25	02/17/25 16:21
460-320634-52	TB-01_20250217	Water	02/17/25 13:25	02/17/25 16:21
460-320634-53	12J3_11-12	Solid	02/17/25 11:10	02/17/25 16:21

Address 4101 Arthur Kill Rd Staten Island, NY

Chain of Custody Record 743424

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other

TAL-8210

Client Contact	Project Manager S. Bell	Site Contact: S. Setonaya	Date: 2/17/25	COC No:
Company Name HBA of NY	Tel/Email. sbell@haleyaldrich.com	Lab Contact: E. Flannery	Carrier:	1 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler: CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone jcommissa@haleyaldrich.com	TAT if different from Below			Walk-in Client.
Fax mboland@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name Former Port Mobil-Staten Island	☐ 1 week			
Site 4101 Arthur Kill Rd	☒ 2 days			ob / SDG No: 320634
PO# 02c28188-000-006-02	☐ 1 day			

460-320634 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260D	Sample Specific Notes
12B2_4-5	2/17/25	7:50	G	S	4	N	N	X	1
12B2_1-2		7:55	G	S	4	N	N	X	2
12B3_1-2		8:00	G	S	4	N	N	X	3
12B3_5-6		8:05	G	S	4	N	N	X	4
~~12B3_15-16~~ 12B3_9-10		8:07	G	S	4	N	N	X	CTL 5
~~12C1_11-12~~ 12C1_9-10		8:10	G	S	4	N	N	X	CTL 6
~~12C2_13-14~~ 12C2_9-10		8:15	G	S	4	N	N	X	CTL 7
12C2_8-9		8:20	G	S	4	N	N	X	8
12C2_1-2		8:23	G	S	4	N	N	X	9
12C3_2-3		8:25	G	S	4	N	N	X	10
12D1_3-4		8:30	G	S	4	N	N	X	11
12D2_2-3		8:35	G	S	4	N	N	X	12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd	Corr'd	Therm ID No:

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Larthour	HBA of NY	2/17/25			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		1621		CGT6	2/17/25 1621
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743425

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S Satenayar	Date: 2/17/25	COC No
Company Name HBA of NY	Tel/Email: sbell@haleyaldrich	Lab Contact: E. Flannery	Carrier:	2 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler: CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scommisso@haleyaldrich.com	TAT if different from Below			Walk-in Client.
Fax mbovard@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mobil - Staten Island	☐ 1 week			Job / SDG No. 320634
Site 4101 Arthur Kill Rd	☒ 2 days			
PO# 0208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260D										Sample Specific Notes
~~(12D2 - 13-14)~~ 12D2_9-10	2/17/25	8:40	G	S	4	N	N	X										CTL 13
12D3_5-6		8:45	G	S	4	N	N	X										14
~~(12D3 - 16-17)~~ 12D3_9-10		8:50	G	S	4	N	N	X										CTL 15
~~(12E3 - 10-11)~~ 12E3_~~8-9~~		8:55	G	S	4	N	N	X										CTL 16
~~(12E3 - 15-16)~~ 12E_9-~~10~~		9:00	G	S	4	N	N	X										CTL 17
12E1_1-2		9:05	G	S	4	N	N	X										18
12E1_6-7		9:20	G	S	4	N	N	X										19
12E1_8-9		9:25	G	S	4	N	N	X										20
12F3_1-2		9:30	G	S	4	N	N	X										21
12F2_9-2		9:35	G	S	4	N	N	X										22
12F1_2-3		9:40	G	S	4	N	N	X										23
~~(12F1 - 16-17)~~ 12F1_9-10		9:50	G	S	4	N	N	X										CTL 24

Preservation Used. 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3, 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Lanthier	HBA of NY	12/17/25			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		164		6656	2/17/25 1821
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743426

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Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S Setaruyer	Date: 2/17/25	COC No
Company Name HBA of NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact: E Flannery	Carrier:	3 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scammusso@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax mbalandra@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mobil - Staten Island	☐ 1 week			
Site 4101 Arthur Kill Rd	☒ 2 days			Job / SDG No 220634
PO# 0208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL VOCs 8260D	Sample Specific Notes
~~12F1 - 12-13~~ 12F1_9-10	2/17/25	9 45	G	S	4	N	N	X	CTC 25
12G3 - 1-2		9 55	G	S	4	N	N	X	26
12G3 - 8-9		10:00	G	S	4	N	N	X	27
~~12G3 - 14-15~~ 12G3_9-10		10:05	G	S	4	N	N	X	CTL 28
12G2_9-10		10:10	G	S	4	N	N	X	29
~~12G1 - 15-16~~ 12G1_9-10		10:15	G	S	4	N	N	X	CTO 30
12H3 - 1-2		10:20	G	S	4	N	N	X	31
~~12H3 - 16-17~~ 12H3_9-10		10:25	G	S	4	N	N	X	CTC 32
~~12H3 - 10-11~~ 12H3_8-9		10:30	G	S	4	N	N	X	CTL 33
~~12H2 - 12-13~~ 12H2_9-10		10 35	G	S	4	N	N	X	CT2 34
12H1 - 8-9		10 40	G	S	4	N	N	X	35
~~12I3 - 15-16~~ 12I3_9-10	↓	10 45	G	S	4	N	N	X	CTC 36

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd: _____ Corr'd _____ Therm ID No: _____		
Relinquished by: Charlie Lanfranco	Company: HBA of NY	Date/Time: 2/17/25	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time: 16 C	Received by: Km	Company: CCT6	Date/Time: 2/17/25 1621
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record 743427

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Address 4101 Arthur Kill Rd
Staten Island, NY

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S. Stonaycar	Date: 2/17/25	COC No.
Company Name HSA of NY	Tel/Email: Sbell@holeyaldrich.com	Lab Contact: E. Flannery	Carrier:	4 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone sconnin.sso@holeyaldrich.com	TAT if different from Below ____			Walk-in Client
Fax mboland@holeyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mobil - Staten Island	☐ 1 week			Job / SDG No. 206534
Site 4101 Arthur Kill Rd	☒ 2 days			
PO # 6208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs 8260D	Sample Specific Notes
~~12I3-10-11~~ 12I3-9-10	2/17/25	10:50	G	S	4	N	N	X	CTL 37
12I1-3-4		10:55	G			N	N	X	38
12I1-6-7		11:00	G			N	N	X	39
~~12I2-11-12~~ 12I2-9-10		11:05	G			N	N	X	40 CTL
~~12J3-13-14~~ 12J3-9-10		11:10	G			N	N	X	CTL VOID
12J2-9-10		11:15	G			N	N	X	41
12J2-6-7		11:20	G			N	N	X	42
12J1-1-2		11:25	G			N	N	X	43
12J1-4-5		11:30	G			N	N	X	44
16I2-5-6		12:05	G			N	N	X	45
16F1-9-10		12:00	G			N	N	X	46
12A1-1-2	↓	13:05	G	↓	↓	N	N	X	47

Preservation Used. 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd ____ Corr'd ____	Therm ID No ____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Lathrow	HSA of NY	2/17/25			1852
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		1647	Ken	EET6	2/17/25 1621
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address: 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record

676026

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S. Setonayar	Date: 2/17/25	COC No:
Company Name HBA of NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact: E. Flannery	Carrier:	5 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler. CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scomprisso@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax mholand@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name Former Part Mobil-Staten Island	☐ 1 week			Job / SDG No.: 320634
Site 4101 Arthur Kill Rd	☒ 2 days			
PO# 0708988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs - 8260D	Sample Specific Notes:
12A2_1-2	2/17/25	13:10	G	S	4	N	N	X	48
12A3_1-2		13:15	G	S	4	N	N	X	49
12A3_5-6		13:20	G	S	4	N	N	X	50
~~12A2_11-12~~ 12A2_9-10		13:25	G	S	4	N	N	X	51
TB-01_20250217				AQ	2	N	N	X	52
12J3_11-12	2/17/25	11:10	G	S	4	N	N	X	53

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
Charlie Lathouse	HBA of NY	2/17/25		2/17/25	15:20
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
	2/17/25 16:09				
Relinquished by:	Company.	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/20/2025 (Rev. 2)

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 720634

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 02/17/25

EDS-WI-038, Rev 4.1
10/22/2019

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743424

eurofins | Environment Testing

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other

TAL-8210

Client Contact	Project Manager S. Bell	Site Contact: S. Setonaya	Date: 2/17/25	COC No:
Company Name HBA of NY	Tel/Email. sbell@haleyaldrich.com	Lab Contact: E. Flannery	Carrier:	1 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler: CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone jcommissa@haleyaldrich.com	TAT if different from Below			Walk-in Client.
Fax mboland@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name Former Port Mobil-Staten Island	☐ 1 week			
Site 4101 Arthur Kill Rd	☒ 2 days			ob / SDG No: 320634
PO# 02c28188-000-006-02	☐ 1 day			

460-320634 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260D	Sample Specific Notes
12B2_4-5	2/17/25	7:50	G	S	4	N	N	X	1
12B2_1-2		7:55	G	S	4	N	N	X	2
12B3_1-2		8:00	G	S	4	N	N	X	3
12B3_5-6		8:05	G	S	4	N	N	X	4
~~12B3_15-16~~ 12B3_9-10		8:07	G	S	4	N	N	X	CTL 5
~~12C1_11-12~~ 12C1_9-10		8:10	G	S	4	N	N	X	CTL 6
~~12C2_13-14~~ 12C2_9-10		8:15	G	S	4	N	N	X	CTL 7
12C2_8-9		8:20	G	S	4	N	N	X	8
12C2_1-2		8:23	G	S	4	N	N	X	9
12C3_2-3		8:25	G	S	4	N	N	X	10
12D1_3-4		8:30	G	S	4	N	N	X	11
12D2_2-3		8:35	G	S	4	N	N	X	12

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ Therm ID No: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Larthour	HBA of NY	2/17/25			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		1621		EGT6	2/17/25 1621
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743425

eurofins | Environment Testing

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S Satenayar	Date: 2/17/25	COC No
Company Name HBA of NY	Tel/Email: sbell@haleyaldrich	Lab Contact: E. Flannery	Carrier:	2 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler: CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scommisso@haleyaldrich.com	TAT if different from Below			Walk-in Client.
Fax mbovard@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mobil - Staten Island	☐ 1 week			Job / SDG No. 320634
Site 4101 Arthur Kill Rd	☒ 2 days			
PO# 0208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs 8260D	Sample Specific Notes
~~(12D2 - 13-14)~~ 12D2_9-10	2/17/25	8:40	G	S	4	N	N	X	CTL 13
12D3_5-6		8:45	G	S	4	N	N	X	14
~~(12D3 - 16-17)~~ 12D3_9-10		8:50	G	S	4	N	N	X	CTL 15
~~(12E3 - 10-11)~~ 12E3_~~8-9~~		8:55	G	S	4	N	N	X	CTL 16
~~(12E3 - 15-16)~~ 12E_9-~~10~~		9:00	G	S	4	N	N	X	CTL 17
12E1_1-2		9:05	G	S	4	N	N	X	18
12E1_6-7		9:20	G	S	4	N	N	X	19
12E1_8-9		9:25	G	S	4	N	N	X	20
12F3_1-2		9:30	G	S	4	N	N	X	21
12F2_9-2		9:35	G	S	4	N	N	X	22
12F1_2-3		9:40	G	S	4	N	N	X	23
~~(12F1 - 16-17)~~ 12F1_9-10		9:50	G	S	4	N	N	X	CTL 24

Preservation Used. 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3, 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ | Therm ID No _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Lanthier	HBA of NY	12/17/25			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		1624		6656	2/17/25 1821
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743426

eurofins | Environment Testing

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S Setaruyer	Date: 2/17/25	COC No
Company Name HBA of NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact: E Flannery	Carrier:	3 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scammusso@haleyaldrich.com	TAT if different from Below			Walk-in Client:
Fax mbalandra@haleyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mob. - Staten Island	☐ 1 week			
Site 4101 Arthur Kill Rd	☒ 2 days			Job / SDG No 220634
PO# 0208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL VOCs 8260D	Sample Specific Notes
~~12F1-12-13~~ 12F1_9-10	2/17/25	9 45	G	S	4	N	N	X	CTC 25
12G3-1-2		9 55	G	S	4	N	N	X	26
12G3-8-9		10:00	G	S	4	N	N	X	27
~~12G3-14-15~~ 12G3_9-10		10:05	G	S	4	N	N	X	CTL 28
12G2_9-10		10:10	G	S	4	N	N	X	29
~~12G1-15-16~~ 12G2_9-10		10:15	G	S	4	N	N	X	CTO 30
12H3-1-2		10:20	G	S	4	N	N	X	31
~~12H3-16-17~~ 12H3_9-10		10:25	G	S	4	N	N	X	CTC 32
~~12H3-10-11~~ 12H3_8-9		10:30	G	S	4	N	N	X	CTL 33
~~12H2-12-13~~ 12H2_9-10		10 35	G	S	4	N	N	X	CT2 34
12H1-8-9		10 40	G	S	4	N	N	X	35
~~12I3-15-16~~ 12I3_9-10	↓	10 45	G	S	4	N	N	X	CTC 36

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd: _____ Corr'd _____	Therm ID No: _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Charlie Lattanzio	HBA of NY	2/17/25			
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
		16 C		CET6	2/17/25 1621
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

Address 4101 Arthur Kill Rd
Staten Island, NY

Chain of Custody Record 743427

eurofins | Environment Testing

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S. Stonaycar	Date: 2/17/25	COC No.
Company Name HSA of NY	Tel/Email: Sbell@holeyaldrich.com	Lab Contact: E. Flannery	Carrier:	4 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone sconnin.sso@holeyaldrich.com	TAT if different from Below ____			Walk-in Client
Fax mboland@holeyaldrich.com	☐ 2 weeks			Lab Sampling
Project Name Former Port Mobil - Staten Island	☐ 1 week			Job / SDG No. 206514
Site 4101 Arthur Kill Rd	☒ 2 days			
PO # 0208988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs 8260D	Sample Specific Notes
~~12I3-10-11~~ 12I3-9-10	2/17/25	10:50	G	S	4	N	N	X	CTL 37
12I1-3-4		10:55	G			N	N	X	38
12I1-6-7		11:00	G			N	N	X	39
~~12I2-11-12~~ 12I2-9-10		11:05	G			N	N	X	CTL 40
~~12J3-13-14~~ 12J3-9-10		11:10	G			N	N	X	CTL VOID
12J2-9-10		11:15	G			N	N	X	41
12J2-6-7		11:20	G			N	N	X	42
12J1-1-2		11:25	G			N	N	X	43
12J1-4-5		11:30	G			N	N	X	44
16I2-5-6		12:05	G			N	N	X	45
16F1-9-10		12:00	G			N	N	X	46
12A1-1-2	↓	13:05	G	↓	↓	N	N	X	47

Preservation Used. 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd ____ Corr'd ____		Therm ID No ____
Relinquished by: Charlie Lathrop	Company: HSA of NY	Date/Time: 2/17/25	Received by:	Company:	Date/Time: 1852
Relinquished by:	Company:	Date/Time: 1657	Received by: Ken	Company: EET6	Date/Time: 2/17/25 1621
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Chain of Custody Record

676026

eurofins | Environment Testing America

Address: 4101 Arthur Kill Rd
Staten Island, NY

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: S. Bell	Site Contact: S. Setonayar	Date: 2/17/25	COC No:
Company Name HSA of NY	Tel/Email: sbell@haleyaldrich.com	Lab Contact: E. Flannery	Carrier:	5 of 5 COCs
Address 213 W 35th St	Analysis Turnaround Time			Sampler. CTL
City/State/Zip NY, NY 10001	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone scomprisso@haleyaldrich.com	TAT if different from Below _____			Walk-in Client:
Fax mholand@haleyaldrich.com	☐ 2 weeks			Lab Sampling:
Project Name Former Partmobil-Staten Island	☐ 1 week			Job / SDG No.: 320634
Site 4101 Arthur Kill Rd	☒ 2 days			
PO# 0708988-000-006-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs - 8260D	Sample Specific Notes:
12A2_1-2	2/17/25	13:10	G	S	4	N	N	X	48
12A3_1-2		13:15	G	S	4	N	N	X	49
12A3_5-6		13:20	G	S	4	N	N	X	50
~~12A2_11-12~~ 12A2_9-10		13:25	G	S	4	N	N	X	51
TB-01_20250217				AQ	2	N	N	X	52
12J3_11-12	2/17/25	11:10	G	S	4	N	N	X	53

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp (°C): Obs'd:_____ Corr'd:_____ | Therm ID No.:_____

Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
Charlie Lathrop	HSA of NY	2/17/25		2/17/25	15:20
Relinquished by	Company:	Date/Time:	Received by:	Company:	Date/Time:
	2/17/25 16:09				
Relinquished by:	Company.	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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2/20/2025 (Rev. 2)

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 720634

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 02/17/25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-320634-1

Login Number: 320634
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor

AMANDA LEFTON
Acting Commissioner

March 28, 2025

Mr. Andy Mace
NP Staten Island Industrial, LLC
Vice President, Industrial Development
2652 Mayfair Lane
York, PA 17408

Re: Interim Remedial Measures (IRM) 1:
Berm Sampling for On-Site Reuse Summary
(Berms 12 and 16)
Site Name: Former Port Mobil Terminal
Site No.: 243016
NYSDEC Consent Order ID No.: 12-111-A-SBC
USEPA Consent Order ID No.: RCRA-02-2009-7306

Dear Mr. Mace,

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the United States Environmental Protection Agency (USEPA), has reviewed the Berm Sampling for On-Site Reuse Summary for Berms 12 and 16, dated March 14, 2025, submitted by Haley and Aldrich on behalf of North Point Staten Island Industrial, LLC. Based on the laboratory analytical results, the Department approves the request to reduce the sampling frequency of the remainder berm material from every 1,000 cubic yards to every 2,000 cubic yards.

Please provide an updated figure showing the berm sampling locations. Additionally, ensure that the final report or construction completion report includes details of the berm sampling work, such as sampling procedure, deviations from the work plan, visual observations of the material, soil boring photographs, boring logs, and PID screening results.

If there are any questions or concerns, please contact me at (518) 402-8606 or via email rafi.alam@dec.ny.gov.

Sincerely,

Rafi Alam
Project Manager
Remedial Bureau B, Section D

ec:
Andrew Sheedy, Kinder Morgan
Frank Messina, Exxon Mobil
Eric Ricci, North point
David Rickard, North point
Scott Underhill, Haley and Aldrich
James Bellew, Haley and Aldrich
Suzanne Bell, Haley and Aldrich
Thomas Giordano,Haley and Aldrich
Scott Deyette, NYSDEC
Heidi Dudek, NYSDEC
Lisa Gorton, NYSDEC
Deborah Gorman, NYSDEC
Steve Lawrence, NYSDOH
Scarlett McLoughlin, NYSDOH
Adolph Everett, EPA
Andy Park, EPA

ATTACHMENT 2
Soil Boring and Test Pit Logs

HALEY ALDRICH

LOCATION NO. 7A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	3			Soil collected for 7A_0-5 and 7A_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					7A1_2-3 collected
4	0					7A1_3-4 collected
5	0	None	Medium	5-10'	SAA	
6	0					7A1_6-7 collected
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7A2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 7A_0-5 and 7A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					7A2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					7A2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7A3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 7A_0-5 and 7A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					7A3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					7A3_6-7 collected
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **7B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7B - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**			**Soil collected for 7B_0-5 and 7B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7B1_0-1 collected
1	0					
2	0					
3	0					
4	0					7B1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **7B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7B - Northeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	3			Soil collected for 7B_0-5 and 7B_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7B2_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	7B2_5-6 collected
6	0					
7	0					
8	0					7B2_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **7B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7B - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**			**Soil collected for 7B_0-5 and 7B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					7B3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					7B3_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7C1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7C - Southeast Face of Berm	Completion Depth (ft.)	4	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	2			Soil collected for 7C_0-2 and 7C_2-4 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, fine to silty SAND, poorly graded with gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7C1_0-1 collected
1	0					7C1_1-2 collected
2	0					
3	0					
4	0				End of Berm Opening/Test Pit at 4 ft bgs	
5	0					
6	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7C2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7C - Southeast Face of Berm	**Completion Depth (ft.)**	4	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	2			Soil collected for 7C_0-2 and 7C_2-4 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, fine to silty SAND, poorly graded with gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7C2_0-1 collected
1	0					7C2_1-2 collected
2	0					
3	0					
4	0				End of Berm Opening/Test Pit at 4 ft bgs	
5	0					
6	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7C3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7C - Southeast Face of Berm	**Completion Depth (ft.)**	**4**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**3**	Komatsu PC138 Excavator		**Soil collected for 7C_0-2 and 7C_2-4 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, fine to silty SAND, poorly graded with gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7C3_0-1 collected
1	0					7C3_1-2 collected
2	0					
3	0					7C3_3-4 collected
4	0				End of Berm Opening/Test Pit at 4 ft bgs	
5	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7D1

Page 1 of 1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 7D_0-5 and 7D_5 10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					7D1_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	7D1_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7D2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**3**	Komatsu PC138 Excavator		**Soil collected for 7D_0-5 and 7D_5 10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	7D2_0-1 collected
1	0					7D2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					7D2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 7D3

Page 1 of 1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/1/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/1/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 7, Grid 7D - Southwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	2			Soil collected for 7D_0-5 and 7D_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					7D3_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					7D3_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**			**Soil collected for 9A_0-5 and 9A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	9A1_0-1 collected
1	0					
2	0					
3	0					9A1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9A2

Page 1 of 1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	2			Soil collected for 9A_0-5 and 9A_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					9A2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					9A2_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9A3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	3			Soil collected for 9A_0-5 and 9A_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					9A3_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					9A3_7-8 collected
8	0					
9	0					9A3_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9B1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9B - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 9B_0-5 and 9B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					9B1_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					9B1_6-7 collected
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9B2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9B - Northeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	3			Soil collected for 9B_0-5 and 9B_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					9B2_2-3 collected
3	0					9B2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					9B2_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9B3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9B - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**			**Soil collected for 9B_0-5 and 9B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					9B3_7-8 collected
8	0					
9	0					9B3_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **9C1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9C - Southeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**			**Soil collected for 9C_0-5 and 9C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					9C1_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	9C1_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9C2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9C - Southeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	3			Soil collected for 9C_0-5 and 9C_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					9C2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					9C2_6-7 collected
7	0					
8	0					
9	0					9C2_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9C3

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PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9C - Southeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered.
	Number of Samples	2			Soil collected for 9C_0-5 and 9C_5-10 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					9C3_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					9C3_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9D1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 9D_0-5 and 9D_5 10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	9D1_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					9D1_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9D2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 9D_0-5 and 9D_5 10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					9D2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					9D2_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 9D3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 9, Grid 9D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**3**	Komatsu PC138 Excavator		**Soil collected for 9D_0-5 and 9D_5 10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red to brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					9D3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	9D3_5-6 collected
6	0					
7	0					9D3_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10A1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10A - West Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**3**	Komatsu PC138 Excavator		**Soil collected for 10A_0-4 and 10A_4-8 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					10A1_1-2 collected
2	0					
3	0					10A1_3-4 collected
4	0					
5	0	None	Medium	5-8'	SAA	
6	0					10A1_6-7 collected
7	0					
8	0				End of Berm Opening/Test Pit at 8 ft bgs	
9	0					
10						
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10A - West Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 10A_0-4 and 10A_4-8 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					10A2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-8'	SAA	10A2_5-6 collected
6	0					
7	0					
8	0				End of Berm Opening/Test Pit at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10A - West Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered.**
	Number of Samples	**2**	Komatsu PC138 Excavator		**Soil collected for 10A_0-4 and 10A_4-8 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					10A3_4-5 collected
5	0	None	Medium	5-8'	SAA	
6	0					
7	0					10A3_7-8 collected
8	0				End of Berm Opening/Test Pit at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10B - Northwest Face of Berm	Completion Depth (ft.)	12	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					10B1_2-3 collected
3	0					
4	0					
5	0	None	Medium			10B1_5-6 collected
6	0			6-12'	SAA	
7	0					
8	0					
9	0					
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11						10B1_11-12 collected
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10B - Northwest Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					10B2_3-4 collected
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					10B2_7-8 collected
8	0					
9	0					
10						
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12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10B - Northwest Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					10B3_4-5 collected
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					
8	0					
9	0					
10						
11						10B3_11-12 collected
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10C1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10C - North Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	10C1_0-1 collected
1	0					10C1_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-8'	SAA	
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10C2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10C - North Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					10C2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-8'	SAA	10C2_5-6 collected
6	0					
7	0					10C2_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10C3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10C - North Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					10C3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-8'	SAA	
6	0					10C3_6-7 collected
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 10D1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10D - East Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					10D1_3-4 collected
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					10D1_7-8 collected
8	0					
9	0					
10						
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12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10D2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10D - East Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					10D2_4-5 collected
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					
8	0					
9	0					10D2_9-10 collected
10						
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12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10D3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10D - East Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	10D3_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium			10D3_5-6 collected
6	0			6-12'	SAA	
7	0					
8	0					
9	0					
10						
11						10D3_11-12 collected
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10E1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10E - Southeast Face of Berm	**Completion Depth (ft.)**	8	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	3	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					10E1_4-5 collected
5	0	None	Medium			
6				6-12'	SAA	
	0					
7	0					
8	0					
9	0					10E1_9-10 collected
10						
11						10E1_11-12 collected
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10E2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10E - Southeast Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					10E2_2-3 collected
3	0					
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					10E2_7-8 collected
8	0					
9	0					
10						
11						10E1_11-12 collected
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **10E3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/2/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/2/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 10, Grid 10E - Southeast Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Red, medium to fine SAND, poorly graded with coarse grained cobbles angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	10E3_6-7 collected
7	0					
8	0					
9	0					10E3_9-10 collected
10						
11						
12					End of Boring at 12 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12A1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12A_0-5 and 12A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					12A1_1-2 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					12A1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12A1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Geoprobe 6610	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**			**Soil collected for 12A_0-5 and 12A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12A2_1-2 collected
2	0					
3	0					
4	0					12A2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					12A2_9-10 collected
10					End of Boring at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12A_0-5 and 12A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12A3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12A3_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12B1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12B - West Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12B_0-5 and 12B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12B1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12B - West Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12B_0-5 and 12B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12B2_1-2 collected
2	0					
3	0					
4	0					12B2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					12B2_6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12B - West Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12B_0-5 and 12B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12B3_4-5 collected
6	0					
7	0					
8	0					
9	0					12B3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12C1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12C_0-5 and 12C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					12C1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	12C1_9-10 collected
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12C2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12C_0-5 and 12C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	12C2_1-3 collected
1	0					12C2_2-3 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					12C2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12C3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12C_0-5 and 12C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					12C3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					12C3_8-9 collected
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12D1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12D_0-5 and 12D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12D1_3-4 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					12D1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12D2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12D_0-5 and 12D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					12D2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12D2_4-5 collected
6	0					
7	0					
8	0					
9	0					12D2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12D3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12D_0-5 and 12D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12D3_5-6 collected
6	0					
7	0					
8	0					
9	0					12D3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12E1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12E1 - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12E_0-5 and 12E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	12E1_1-2 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					12E1_6-7 collected
7	0					
8	0					12E1_8-9 collected
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
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20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12E2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12E2 - Southeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12E_0-5 and 12E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12E2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
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19						
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22						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12E3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12E3 - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12E_0-5 and 12E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12E3-4-5 collected
6	0					
7	0					
8	0					12E3-8-9 collected
9	0					
10					End of Boring at 10 ft bgs	12E3_9-10 collected
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12F1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12F - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12F_0-5 and 12F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					12F1_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					12F1_8-9 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12F2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12F - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12F_0-5 and 12F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12F2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					12F2_6-7 collected
7	0					
8	0					
9	0					12F2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12F3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12F - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12F_0-5 and 12F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12F3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12G_0-5 and 12G_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12G1_5-6 collected
6	0					
7	0					
8	0					
9	0					12G1_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12G2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Geoprobe 6610	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**			**Soil collected for 12G_0-5 and 12G_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12G2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					12G2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12G3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12C - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12G_0-5 and 12G_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12G3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					12G3_8-9 collected
9	0					12G3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12H1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12H - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12H_0-5 and 12H_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					12H1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12H2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12H - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12H_0-5 and 12H_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					12H2_7-8 collected
8	0					
9	0					12H2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

12H3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12H - East Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**0**	Geoprobe 6610		**Soil collected for 12H_0-5 and 12H_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	**Remarks** (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12H3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					12H3_8-9 collected
9	0					12H3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 12I1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12I - Northeast Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12I_0-6 and 12I_6-12 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					12I1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					12I1_6-7 collected
7	0					
8	0					
9	0					
10	0	None	Medium	10-12'	SAA	
11	0					
12	0				End of Boring at 12 ft bgs	
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 12I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12I - Northeast Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 12I_0-6 and 12I_6-12 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12I2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					12I2_7-8 collected
8	0					
9	0					12I2_9-10 collected
10	0	None	Medium	10-12'	SAA	
11	0					
12	0				End of Boring at 12 ft bgs	
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
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25						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 12I3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/23/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/23/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12I - Northeast Face of Berm	Completion Depth (ft.)	12	Test Pit Method: Geoprobe 6610	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			Soil collected for 12I_0-6 and 12I_6-12 composite samples

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-12'	SAA	12I3_10-12 collected
11	0					12I3_11-12 collected
12	0				End of Boring at 12 ft bgs	
13						
14						
15						
16						
17						
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19						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12J1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12J - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 12J_0-6 and 12I_6 12 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					12J1_1-2 collected
2	0					
3	0					
4	0					12J1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-12'	SAA	
11	0					
12	0				End of Boring at 12 ft bgs	
13						
14						
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16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12J2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12J - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12J_0-6 and 12I_6 12 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					12J2_3-4 collected
5	0	None	Medium	5-10'	SAA	
6	0					12J2_6-7 collected
7	0					
8	0					
9	0					12J2_9-10 collected
10	0	None	Medium	10-12'	SAA	
11	0					
12	0				End of Boring at 12 ft bgs	
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **12J3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/24/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/24/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 12, Grid 12J - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 12J_0-6 and 12I_6 12 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	12J3_5-6 collected
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-12'	SAA	
11	0					12J3_11-12 collected
12	0				End of Boring at 12 ft bgs	
13						
14						
15						
16						
17						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 13A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13A - West Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					13A1_2-3 collected
3	0					
4	0					13A1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13A - West Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					13A2_6-7 collected
7	0					
8	0					13A2_8-9 collected
9	0					13A3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
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14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13A - West Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					13A3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					13A3_6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13B - Northeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					13B1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					13B1_7-8 collected
8	0					
9	0					13B1_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13B - Northeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					13B2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	13B2_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13B - Northeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					13B3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					13B3_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 13C1

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PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13C - South Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	13C1_0-1 collected
1	0					
2	0					
3	0					13C1_3-4 collected
4	0			4-8'	SAA	
5	0	None	Medium			
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **13C2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13C - South Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					
2	0					13C2_3-4 collected
3	0					
4				4-8'	SAA	
	0					
5	0	None	Medium			
6	0					13C2_6-7 collected
7	0					
8					End of Boring at 8 ft bgs	
	0					
9	0					
10						
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 13C3

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 13, Grid 13C - South Face of Berm	**Completion Depth (ft.)**	8	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	3	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained cobble sized gravels, angular stone, some organics (FILL)	
1	0					13C3_1-2 collected
2	0					
3	0					
4				4-8'	SAA	
	0					13C2_4-5 collected
5	0	None	Medium			
6	0					
7	0					13C3_7-8 collected
8					End of Boring at 8 ft bgs	
	0					
9	0					
10						
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14A1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					14A1_1-2 collected
2	0					
3	0					14A1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					14A1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 14A2

Page 1 of 1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					14A2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					14A2_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					14A3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	14A3_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14B - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	14B1_0-1 collected
1	0					
2	0					
3	0					14B1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14B - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					14B2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					14B2_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14B - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					14B3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	14B3_5-6 collected
6	0					
7	0					
8	0					
9	0					14B3_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 14C1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14C - North Face of Berm	Completion Depth (ft.)	12	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					14C1_2-3 collected
3	0					
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					
8	0					
9	0					14C1_9-10 collected
10						
11						14C1_11-12 collected
12					End of Boring at 12 ft bgs	
13						
14						
15						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14C2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14C - North Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					14C2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					
8	0					
9	0					
10						
11						14C2_11-12 collected
12					End of Boring at 12 ft bgs	
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14C3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14C - North Face of Berm	**Completion Depth (ft.)**	**12**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-6'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					14C3_3-4 collected
4	0					
5	0	None	Medium			
6	0			6-12'	SAA	
7	0					14C3_7-8 collected
8	0					
9	0					
10						
11						
12					End of Boring at 12 ft bgs	
13						
14						
15						
16						
17						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14D1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14D - Southeast Face of Berm	Completion Depth (ft.)	18	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	14D1_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					14D1_6-7 collected
7	0					
8	0					
9		None	Medium	9-18'	SAA	
10	0					
11	0					14D1_11-12 collected
12	0					
13	0					
14	0					
15	0					
16	0					
17	0					
18					End of Boring at 18 ft bgs	
19						
20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14D2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14D - Southeast Face of Berm	Completion Depth (ft.)	18	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					14D2_4-5 collected
5	0					
6	0					
7	0					
8	0					
9	0	None	Medium	9-18'	SAA	
10	0					
11	0					
12	0					
13	0					
14	0					
15	0					14D2_15-16 collected
16	0					
17	0					
18					End of Boring at 18 ft bgs	
19						
20						
21						
22						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14D3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14D - Southeast Face of Berm	Completion Depth (ft.)	18	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9		None	Medium	9-18'	SAA	
10	0					
11	0					
12	0					
13	0					14D3_13-14 collected
14	0					
15	0					
16	0					
17	0					14D3_17-18 collected
18					End of Boring at 18 ft bgs	
19						
20						
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22						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14E1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14E - Southeast Face of Berm	**Completion Depth (ft.)**	**18**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0					14E1_5-6 collected
6	0					
7	0					
8	0					
9		None	Medium	9-18'	SAA	
10	0					
11	0					
12	0					14E1_12-13 collected
13	0					
14	0					
15	0					
16	0					14E1_15-16 collected
17	0					
18					End of Boring at 18 ft bgs	
19						
20						
21						
22						
23						
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25						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14E2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14E - Southeast Face of Berm	**Completion Depth (ft.)**	**18**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0					14E1_5-6 collected
6	0					
7	0					
8	0					
9		None	Medium	9-18'	SAA	
10	0					
11	0					
12	0					14E1_12-13 collected
13	0					
14	0					
15	0					
16	0					14E1_15-16 collected
17	0					
18					End of Boring at 18 ft bgs	
19						
20						
21						
22						
23						
24						
25						
26						
27						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14E3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14E - Southeast Face of Berm	Completion Depth (ft.)	18	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-9'	Brown, fine to silty SAND, poorly graded with coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0					
6	0					
7	0					
8	0					
9		None	Medium	9-18'	SAA	
10	0					
11	0					
12	0					14E3_12-13 collected
13	0					
14	0					
15	0					14E3_15-16 collected
16	0					
17	0					
18					End of Boring at 18 ft bgs	
19						
20						
21						
22						
23						
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25						
26						
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28						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 14F1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14F - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine SAND, poorly graded with silts, coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					14F1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					14F1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 14F2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14F - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine SAND, poorly graded with silts, coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					14F2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	14F2_5-6 colleted
6	0					
7	0					
8	0					
9	0					14F2_9-10 collected
10					End of Boring at 10 ft bgs	
11						
12						
13						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **14F3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/4/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/4/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 14, Grid 14F - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, fine SAND, poorly graded with silts, coarse grained cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					14F3_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					14F3_6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 15A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15A - South Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					15A1_2-3 collected
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					15A1_6-7 collected
7	0					15A1_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **15A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15A - South Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					15A2_1-2 collected
2	0					
3	0					15A2_3-4 collected
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **15A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15A - South Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0	None	Medium	4-8'	SAA	15A3_4-5 collected
5	0					
6	0					
7	0					15A3_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **15B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15B - North Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					15B1_3-4 collected
2	0					
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					
7	0					15B1_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **15B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15B - North Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					15B2_1-2 collected
2	0					
3	0					15B2_3-4 collected
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					15B2_6-7 collected
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **15B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 15, Grid 15B - North Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	15B3_0-1 collected
1	0					
2	0					
3	0					15B3_3-4 collected
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

16A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Caterpillar Excavator 314		**Soil collected for 16A_0-5 and 16A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16A1_3-4
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Caterpillar Excavator 314	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**			**Soil collected for 16A_0-5 and 16A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16A2_2-3 collected
3	0					16A2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					16A2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Caterpillar Excavator 314	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**			**Soil collected for 16A_0-5 and 16A_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	16A3_5-6 collected
6	0					16A3_6-7 collected
7	0					
8	0					
9	0					16A3-9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16B - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16B_0-5 and 16B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					16B1_2-3 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					16B1_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

16B2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16B - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Caterpillar Excavator 314		**Soil collected for 16B_0-5 and 16B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					16B2_1-2 collected
2	0					
3	0					16B2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	16B2_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16B - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Caterpillar Excavator 314		**Soil collected for 16B_0-5 and 16B_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	16B3_5-6 collected
6	0					
7	0					16B3_7-8 collected
8	0					
9	0					16B3_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16C1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16C - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Geoprobe 6610		**Soil collected for 16C_0-5 and 16C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					16C1_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					16C1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16C2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16C - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Geoprobe 6610		**Soil collected for 16C_0-5 and 16C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	16C2_01 collected
1	0					
2	0					16C2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					16C2-6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16C3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	Lakewood Environmental Services Corp.	**DATE STARTED**	1/27/2025
Operator	Adam Hutchinson	**DATE FINISHED**	1/27/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16C - North Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**1**	Geoprobe 6610		**Soil collected for 16C_0-5 and 16C_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16C3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					16C3_8-9 collected
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16D1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16D - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16D_0-5 and 16D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16D1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					16D1_8-9 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO.

16D2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16D - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16D_0-5 and 16D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16D2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					16D2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16D3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16D - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Caterpillar Excavator 314		**Soil collected for 16D_0-5 and 16D_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					16D3_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					16D3_6-7 collected
7	0					
8	0					
9	0					16D3_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16E1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16E - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Caterpillar Excavator 314	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**			**Soil collected for 16E_0-5 and 16E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16E1_3-4 collected
4	0					16E1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16E2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16E - Northeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16E_0-5 and 16E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16E2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					16E2_6-7 collected
7	0					
8	0					
9	0					16E2_9-10 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16E3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16E - East Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16E_0-5 and 16E_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16E3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					16E3_8-9 collected
10					End of Berm Opening/Test Pit at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16F1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16F - Southeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16F_0-5 and 16F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					16F1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					16F1_6-7 collected
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	16F1_9-10 collected
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12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16F2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16F - Southeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Caterpillar Excavator 314	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**			**Soil collected for 16F_0-5 and 16F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16F2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					16F2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16F3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16F - Southeast Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method** Caterpillar Excavator 314	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**			**Soil collected for 16F_0-5 and 16F_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16f3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	16F3_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16G1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16G - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16G_0-10 and 16F_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16G1_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					
13	0					
14	0					
15	0	None	Medium	15-20'	SAA	
16	0					
17	0					
18	0					
19	0					16G1_19-20 collected
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
23						
24						
25						
26						
27						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16G2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16G - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16G_0-10 and 16F_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					16G2_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					
13	0					
14	0					
15	0	None	Medium	15-20'	SAA	
16	0					16G2_15-16 collected
17	0					
18	0					
19	0					
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
23						
24						
25						
26						
27						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16G3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16G - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Caterpillar Excavator 314		**Soil collected for 16G_0-10 and 16F_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16G3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					16G3_8-9 collected
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					
13	0					
14	0					16G3_13-14 collected
15	0	None	Medium	15-20'	SAA	
16	0					
17	0					
18	0					
19	0					
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
23						
24						
25						
26						
27						
28						
29						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

Form #3000

HALEY ALDRICH

LOCATION NO. **16H1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Insdustrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16H - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16H_0-10 and 16H_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	16H1_5-6 collected
6	0					
7	0					16H1_7-8 collected
8	0					
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					
13	0					
14	0					
15	0	None	Medium	15-20'	SAA	
16	0					
17	0					
18	0					
19	0					
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16H2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16H - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16H_0-10 and 16H_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16H2_2-3 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					16H2_12-13 collected
13	0					
14	0					
15	0	None	Medium	15-20'	SAA	
16	0					16H2_16-17 collected
17	0					
18	0					
19	0					
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
23						
24						
25						
26						
27						
28						
29						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **16H3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16H - South Face of Berm	**Completion Depth (ft.)**	**20**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16H_0-10 and 16H_10-20 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16H3_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10	0	None	Medium	10-15'	SAA	
11	0					
12	0					
13	0					
14	0					
15	0	None	Medium	15-20'	SAA	
16	0					
17	0					
18	0					16H3_18-19 collected
19	0					
20					End of Berm Opening/Test Pit at 20 ft bgs	
21						
22						
23						
24						
25						
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27						
28						
29						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

Form #3000

HALEY ALDRICH

LOCATION NO. 16I1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16I - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**3**	Caterpillar Excavator 314		**Soil collected for 16I_0-5 and 16I_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16I1_3-4 collected
4	0					16I1_4-5 collected
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20					End of Berm Opening/Test Pit at 10 ft bgs	
21						
22						
23						
24						
25						
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28						
29						
30						

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 16I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16I - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16I_0-5 and 16I_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16I2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					16I2_5-6 collected
7	0					16I2_7-8 collected
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20					End of Berm Opening/Test Pit at 10 ft bgs	
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 16I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16I - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16I_0-5 and 16I_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					16I3_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					16I3_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20					End of Berm Opening/Test Pit at 10 ft bgs	
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 16I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16J - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16J_0-5 and 16J_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					16J1_2-3 collected
3	0					16J1_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					16J1_6-7 collected
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20					End of Berm Opening/Test Pit at 10 ft bgs	
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 16I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16J - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16J_0-5 and 16J_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					16J2_3-4 collected
4	0					
5	0	None	Medium	5-10'	SAA	
6	0					
7	0					
8	0					16J2_8-9 collected
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
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23						
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25						
26						
27						
28						
29						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 16I2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	O. Colon
CONTRACTOR	ENTACT	**DATE STARTED**	2/3/2025
Operator	Jeremy	**DATE FINISHED**	2/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 16, Grid 16J - South Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Caterpillar Excavator 314		**Soil collected for 16J_0-5 and 16J_5-10 composite samples**

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-5'	Brown, medium to fine SAND, poorly graded with silt and gravel, coarse grained gravels, angular 3/4" stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					16J3_4-5 collected
5	0	None	Medium	5-10'	SAA	16J3_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Berm Opening/Test Pit at 10 ft bgs	
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. 17A1

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - South Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					17A1_2-3 collected
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					
7	0					17A1_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **17A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - South Face of Berm	**Completion Depth (ft.)**	8	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	3	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					17A2_2-3 collected
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					17A2_6-7 collected
7	0					17A2_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **17A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - South Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					17A3_2-3 collected
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					17A3_5-6 collected
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **17B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - North Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					17B1_2-3 collected
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					17B1_5-6 collected
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **17B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - North Face of Berm	**Completion Depth (ft.)**	**8**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	17B2_0-1 collected
1	0					
2	0					
3	0					
4	0	None	Medium	4-8'	SAA	
5	0					17B2_5-6 collected
6	0					
7	0					
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **17B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 17, Grid 17A - North Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					17B3_3-4 collected
4	0	None	Medium	4-8'	SAA	
5	0					
6	0					17B3_6-7 collected
7	0					17B3_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
10						
11						
12						
13						
14						
15						
16						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18A1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18A - Northwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					18A1_1-2 collected
2	0					
3	0					
4	0					18A1_4-5 collected
5	0	None	Medium	5-10'		
6	0					
7	0					18A1_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18A2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					18A2_2-3 collected
3	0					
4	0					
5	0	None	Medium	5-10'		
6	0					
7	0					
8	0					18A2_8-9 collected
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18A3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18A - Northwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					18A3_3-4 collected
4	0					
5	0	None	Medium	5-10'		
6	0					18A3_6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

Form #3000

HALEY ALDRICH

LOCATION NO. **18B1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Northeast Face of Berm	**Completion Depth (ft.)**	8	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	2	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					18B1_1-2 collected
2	0					
3	0					
4		None	Medium	4-8'	SAA	
	0					
5	0					
6	0					
7	0					18B1_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
10						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18B2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Northeast Face of Berm	Completion Depth (ft.)	8	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	18B2_0-1 collected
1	0					
2	0					
3	0					
4		None	Medium	4-8'	SAA	
5	0					18B2_5-6 collected
6	0					
7	0					18B2_7-8 collected
8	0				End of Boring at 8 ft bgs	
9	0					
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18B3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Northeast Face of Berm	**Completion Depth (ft.)**	8	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	2	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					18B3_2-3 collected
3	0					
4		None	Medium	4-8'	SAA	
	0					
5	0					18B3_5-6 collected
6	0					
7	0					
8					End of Boring at 8 ft bgs	
	0					
9	0					
10						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18C1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Southeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	18C1_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'		18C1_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

Form #3000

HALEY ALDRICH

LOCATION NO. 18C2

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Southeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					18C2_3-4 collected
4	0					
5	0	None	Medium	5-10'		
6	0					18C2_6-7 collected
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
11						
12						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18C3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18B - Southeast Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					
4	0					18C3_4-5 collected
5	0	None	Medium	5-10'		
6	0					
7	0					18C3_7-8 collected
8	0					
9	0					18C3_9-10 collected
10					End of Boring at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18D1**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18D - Southwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	3			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	18D1_0-1 collected
1	0					
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'		
6	0					18D1_6-7 collected
7	0					
8	0					18D1_8-9 collected
9	0					
10					End of Boring at 10 ft bgs	
11						
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18D2**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18D - Southwest Face of Berm	Completion Depth (ft.)	10	Test Pit Method: Komatsu PC138 Excavator	Top of Berm - Stone, Geotextile Fabric	Groundwater was NOT encountered
	Number of Samples	2			

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					18D2_1-2 collected
2	0					
3	0					
4	0					
5	0	None	Medium	5-10'		18D2_5-6 collected
6	0					
7	0					
8	0					
9	0					
10					End of Boring at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

HALEY ALDRICH

LOCATION NO. **18D3**

PROJECT	Former Port Mobil Terminal - Berm Sampling	**PROJECT #**	0208988-000-006-02
LOCATION	4101 Arthur Kill Road	**PROJECT MGR.**	T. Giordano
CLIENT	NP Staten Island Industrial, LLC	**FIELD REP.**	S. Sotomayor
CONTRACTOR	ENTACT	**DATE STARTED**	4/3/2025
Operator	Rigo Sanchez	**DATE FINISHED**	4/3/2025

Test Pit Location	Depth & Sampling		Equipment Make & Model	Surface Conditions	Notes
Berm 18, Grid 18D - Southwest Face of Berm	**Completion Depth (ft.)**	**10**	**Test Pit Method**	Top of Berm - Stone, Geotextile Fabric	**Groundwater was NOT encountered**
	Number of Samples	**2**	Komatsu PC138 Excavator		

Depth (ft.)	PID (ppm)	Odor	Moisture	Description Depth (ft)	Visual-Manual Identification & Description (Color, primary component NAME, secondary component, optional descriptions [SYMBOL])	Remarks (Sample Information, Depth of Casing, Other Tests, Fill Interval, etc.)
0	0	None	Medium	0-4'	Red to brown, medium to fine SAND, poorly graded with silts, cobbles, gravels, angular stone, some organics (FILL)	
1	0					
2	0					
3	0					18D3_3-4 collected
4	0					
5	0	None	Medium	5-10'		
6	0					
7	0					18D3_7-8 collected
8	0					
9	0					
10					End of Boring at 10 ft bgs	
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NOTE: Soil descriptions based on a modified Burmister method of visual-manual identification as practiced by Haley & Aldrich, Inc.

ATTACHMENT 3
Analytical Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/7/2025 3:44:19 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323250-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

myEOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/7/2025 3:44:19 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323250-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/1/2025 7:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples 7A1_2-3 (460-323250-1), 7A1_3-4 (460-323250-2), 7A1_6-7 (460-323250-3), 7A2_1-2 (460-323250-4), 7A2_7-8 (460-323250-5), 7A3_2-3 (460-323250-6), 7A3_6-7 (460-323250-7), 7B1_0-1 (460-323250-8), 7B1_4-5 (460-323250-9), 7B2_0-1 (460-323250-10), 7B2_5-6 (460-323250-11), 7B2_8-9 (460-323250-12), 7B3_3-4 (460-323250-13), 7B3_7-8 (460-323250-14), 7C1_0-1 (460-323250-15), 7C1_0-2 (460-323250-16), 7C2_0-1 (460-323250-17), 7C2_1-2 (460-323250-18), 7C3_0-1 (460-323250-19), 7C3_1-2 (460-323250-20), 7C3_3-4 (460-323250-21), 7D1_2-3 (460-323250-22), 7D1_5-6 (460-323250-23) and 7D2_1-2 (460-323250-24) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 4/2/2025 and analyzed on 4/3/2025 and 4/4/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1029575 was outside the method criteria for the following analyte: Chlorobromomethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1029670 was outside the method criteria for the following analytes: Chloromethane (biased low) and Trichlorofluoromethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1029670 recovered outside control limits for the following analytes: 1,1,2-Trichloro-1,2,2-trifluoroethane, 1,1-Dichloroethene, 2-Butanone (MEK), Bromoform, Carbon tetrachloride, Tetrachloroethene, Trichlorofluoromethane and Chlorodibromomethane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1029765 was outside the method criteria for the following analytes: Chloromethane, n-Butylbenzene, sec-Butylbenzene and Vinyl chloride. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

Method Moisture - Percent Moisture
Samples 7A1_2-3 (460-323250-1), 7A1_3-4 (460-323250-2), 7A1_6-7 (460-323250-3), 7A2_1-2 (460-323250-4), 7A2_7-8 (460-323250-5), 7A3_2-3 (460-323250-6), 7A3_6-7 (460-323250-7), 7B1_0-1 (460-323250-8), 7B1_4-5 (460-323250-9), 7B2_0-1 (460-323250-10), 7B2_5-6 (460-323250-11), 7B2_8-9 (460-323250-12), 7B3_3-4 (460-323250-13), 7B3_7-8 (460-323250-14), 7C1_0-1 (460-323250-15), 7C1_0-2 (460-323250-16), 7C2_0-1 (460-323250-17), 7C2_1-2 (460-323250-18), 7C3_0-1 (460-323250-19), 7C3_1-2 (460-323250-20), 7C3_3-4 (460-323250-21), 7D1_2-3 (460-323250-22), 7D1_5-6 (460-323250-23) and 7D2_1-2 (460-323250-24) were analyzed for Percent Moisture. The samples were analyzed on 4/3/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7A1_2-3 — Lab Sample ID: 460-323250-1

No Detections.

Client Sample ID: 7A1_3-4 — Lab Sample ID: 460-323250-2

No Detections.

Client Sample ID: 7A1_6-7 — Lab Sample ID: 460-323250-3

No Detections.

Client Sample ID: 7A2_1-2 — Lab Sample ID: 460-323250-4

No Detections.

Client Sample ID: 7A2_7-8 — Lab Sample ID: 460-323250-5

No Detections.

Client Sample ID: 7A3_2-3 — Lab Sample ID: 460-323250-6

No Detections.

Client Sample ID: 7A3_6-7 — Lab Sample ID: 460-323250-7

No Detections.

Client Sample ID: 7B1_0-1 — Lab Sample ID: 460-323250-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0091		0.0048	0.0046	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 7B1_4-5 — Lab Sample ID: 460-323250-9

No Detections.

Client Sample ID: 7B2_0-1 — Lab Sample ID: 460-323250-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.035		0.0074	0.0070	mg/Kg	1	☼	8260D	Total/NA
Methyl acetate	0.0057	J	0.0061	0.0053	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 7B2_5-6 — Lab Sample ID: 460-323250-11

No Detections.

Client Sample ID: 7B2_8-9 — Lab Sample ID: 460-323250-12

No Detections.

Client Sample ID: 7B3_3-4 — Lab Sample ID: 460-323250-13

No Detections.

Client Sample ID: 7B3_7-8 — Lab Sample ID: 460-323250-14

No Detections.

Client Sample ID: 7C1_0-1 — Lab Sample ID: 460-323250-15

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C1_0-2 — Lab Sample ID: 460-323250-16

No Detections.

Client Sample ID: 7C2_0-1 — Lab Sample ID: 460-323250-17

No Detections.

Client Sample ID: 7C2_1-2 — Lab Sample ID: 460-323250-18

No Detections.

Client Sample ID: 7C3_0-1 — Lab Sample ID: 460-323250-19

No Detections.

Client Sample ID: 7C3_1-2 — Lab Sample ID: 460-323250-20

No Detections.

Client Sample ID: 7C3_3-4 — Lab Sample ID: 460-323250-21

No Detections.

Client Sample ID: 7D1_2-3 — Lab Sample ID: 460-323250-22

No Detections.

Client Sample ID: 7D1_5-6 — Lab Sample ID: 460-323250-23

No Detections.

Client Sample ID: 7D2_1-2 — Lab Sample ID: 460-323250-24

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7A1_2-3
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-1
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00056	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00068	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2-Dibromo-3-Chloropropane	0.00092	U	0.00092	0.00042	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00034	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Acetone	0.0055	U	0.0055	0.0053	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Benzene	0.00092	U	0.00092	0.00052	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Carbon disulfide	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Carbon tetrachloride	0.00092	U	0.00092	0.00036	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chlorobenzene	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chlorobromomethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chlorodibromomethane	0.00092	U	0.00092	0.00050	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chloroform	0.00092	U	0.00092	0.00090	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Ethylbenzene	0.00092	U	0.00092	0.00043	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Ethylene Dibromide	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Methylene Chloride	0.0018	U	0.0018	0.0011	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
N-Propylbenzene	0.00092	U	0.00092	0.00041	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
o-Xylene	0.00092	U	0.00092	0.00043	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
sec-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Styrene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1

Client Sample ID: 7A1_2-3

Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-1

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Toluene	0.00092	U	0.00092	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Trichloroethene	0.00092	U	0.00092	0.00030	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/02/25 13:44	04/03/25 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/02/25 13:44*	*04/03/25 21:22*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/02/25 13:44*	*04/03/25 21:22*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/02/25 13:44*	*04/03/25 21:22*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/02/25 13:44*	*04/03/25 21:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A1_3-4

Date Collected: 04/01/25 10:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-2

Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00060	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2-Dibromo-3-Chloropropane	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00030	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Acetone	0.0049	U	0.0049	0.0046	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Benzene	0.00081	U	0.00081	0.00046	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Bromoform	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1

Client Sample ID: 7A1_3-4
Date Collected: 04/01/25 10:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-2
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Carbon tetrachloride	0.00081	U	0.00081	0.00031	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chlorobenzene	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chlorobromomethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chlorodibromomethane	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chloroform	0.00081	U	0.00081	0.00079	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00027	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Ethylbenzene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Ethylene Dibromide	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Methylcyclohexane	0.00081	U	0.00081	0.00040	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Methylene Chloride	0.0016	U	0.0016	0.00093	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
N-Propylbenzene	0.00081	U	0.00081	0.00036	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
o-Xylene	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Styrene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/02/25 13:44	04/03/25 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/02/25 13:44*	*04/03/25 21:46*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/02/25 13:44*	*04/03/25 21:46*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/02/25 13:44*	*04/03/25 21:46*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/02/25 13:44*	*04/03/25 21:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.0**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**91.0**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A1_6-7

Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-3

Matrix: Solid
Percent Solids: 95.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U *	0.00088	0.00026	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,1-Dichloroethene	0.00088	U *	0.00088	0.00020	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
2-Butanone (MEK)	0.0044	U *	0.0044	0.00032	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Bromoform	0.00088	U *	0.00088	0.00037	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Carbon tetrachloride	0.00088	U *	0.00088	0.00034	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chlorodibromomethane	0.00088	U *	0.00088	0.00047	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
o-Xylene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1

Client Sample ID: 7A1_6-7

Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-3

Matrix: Solid
Percent Solids: 95.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Tetrachloroethene	0.00088	U *	0.00088	0.00027	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Trichlorofluoromethane	0.00088	U *	0.00088	0.00036	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/02/25 13:44	04/04/25 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/02/25 13:44*	*04/04/25 16:56*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:44*	*04/04/25 16:56*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/02/25 13:44*	*04/04/25 16:56*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/02/25 13:44*	*04/04/25 16:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.2**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**95.8**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A2_1-2

Date Collected: 04/01/25 10:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-4

Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U *	0.00088	0.00026	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,1-Dichloroethene	0.00088	U *	0.00088	0.00020	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
2-Butanone (MEK)	0.0044	U *	0.0044	0.00032	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Bromoform	0.00088	U *	0.00088	0.00037	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1

Client Sample ID: 7A2_1-2
Date Collected: 04/01/25 10:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-4
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Carbon tetrachloride	0.00088	U *	0.00088	0.00034	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chlorodibromomethane	0.00088	U *	0.00088	0.00047	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
o-Xylene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Tetrachloroethene	0.00088	U *	0.00088	0.00027	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Trichlorofluoromethane	0.00088	U *	0.00088	0.00036	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/02/25 13:45	04/04/25 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/02/25 13:45*	*04/04/25 17:20*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/02/25 13:45*	*04/04/25 17:20*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/02/25 13:45*	*04/04/25 17:20*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*04/02/25 13:45*	*04/04/25 17:20*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.5**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**87.5**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A2_7-8
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-5
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00050	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00062	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Carbon disulfide	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chlorobromomethane	0.00085	U	0.00085	0.00050	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chlorodibromomethane	0.00085	U	0.00085	0.00045	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Styrene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1

Client Sample ID: 7A2_7-8

Lab Sample ID: 460-323250-5
Date Collected: 04/01/25 10:20
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/02/25 13:45	04/04/25 21:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/02/25 13:45*	*04/04/25 21:52*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/02/25 13:45*	*04/04/25 21:52*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/02/25 13:45*	*04/04/25 21:52*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:45*	*04/04/25 21:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A3_2-3

Lab Sample ID: 460-323250-6
Date Collected: 04/01/25 10:25
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0014	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1

Client Sample ID: 7A3_2-3

Date Collected: 04/01/25 10:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-6

Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/02/25 13:46	04/04/25 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/02/25 13:46*	*04/04/25 22:17*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:46*	*04/04/25 22:17*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/02/25 13:46*	*04/04/25 22:17*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/02/25 13:46*	*04/04/25 22:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.6**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.4**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7A3_6-7

Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-7

Matrix: Solid
Percent Solids: 88.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00068	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2-Dibromo-3-Chloropropane	0.00092	U	0.00092	0.00042	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Benzene	0.00092	U	0.00092	0.00052	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Carbon disulfide	0.00092	U	0.00092	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Carbon tetrachloride	0.00092	U	0.00092	0.00036	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chlorobenzene	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chlorobromomethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chlorodibromomethane	0.00092	U	0.00092	0.00049	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chloroform	0.00092	U	0.00092	0.00089	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Ethylbenzene	0.00092	U	0.00092	0.00043	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Ethylene Dibromide	0.00092	U	0.00092	0.00046	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Methylene Chloride	0.0018	U	0.0018	0.0011	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
N-Propylbenzene	0.00092	U	0.00092	0.00041	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
o-Xylene	0.00092	U	0.00092	0.00042	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
sec-Butylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Styrene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1

Client Sample ID: 7A3_6-7

Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-7

Matrix: Solid
Percent Solids: 88.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Toluene	0.00092	U	0.00092	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Trichloroethene	0.00092	U	0.00092	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/02/25 13:46	04/04/25 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*04/02/25 13:46*	*04/04/25 22:42*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:46*	*04/04/25 22:42*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/02/25 13:46*	*04/04/25 22:42*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/02/25 13:46*	*04/04/25 22:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.7**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**88.3**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B1_0-1

Date Collected: 04/01/25 10:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-8

Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,1,2,2-Tetrachloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,1,2-Trichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,1-Dichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,1-Dichloroethene	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2,3-Trichlorobenzene	0.00080	U	0.00080	0.00059	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2,4-Trichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2,4-Trimethylbenzene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2-Dibromo-3-Chloropropane	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2-Dichloroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,2-Dichloropropane	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,3,5-Trimethylbenzene	0.00080	U	0.00080	0.00025	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,3-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
1,4-Dichlorobenzene	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Acetone	**0.0091**		0.0048	0.0046	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Benzene	0.00080	U	0.00080	0.00045	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Bromoform	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Bromomethane	0.0016	U	0.0016	0.00080	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1

Client Sample ID: 7B1_0-1
Date Collected: 04/01/25 10:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-8
Matrix: Solid
Percent Solids: 96.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Carbon tetrachloride	0.00080	U	0.00080	0.00031	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chlorobenzene	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chlorobromomethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chlorodibromomethane	0.00080	U	0.00080	0.00043	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chloroform	0.00080	U	0.00080	0.00077	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Chloromethane	0.00080	U	0.00080	0.00035	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
cis-1,2-Dichloroethene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
cis-1,3-Dichloropropene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Cyclohexane	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Dichlorobromomethane	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Dichlorodifluoromethane	0.00080	U	0.00080	0.00027	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Ethylbenzene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Ethylene Dibromide	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Isopropylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Methyl tert-butyl ether	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Methylcyclohexane	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
m-Xylene & p-Xylene	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
n-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
N-Propylbenzene	0.00080	U	0.00080	0.00036	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
o-Xylene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
sec-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Styrene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
tert-Butylbenzene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Tetrachloroethene	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Toluene	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
trans-1,2-Dichloroethene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
trans-1,3-Dichloropropene	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Trichloroethene	0.00080	U	0.00080	0.00026	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Trichlorofluoromethane	0.00080	U	0.00080	0.00032	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Vinyl chloride	0.00080	U	0.00080	0.00044	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/02/25 13:46	04/04/25 23:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/02/25 13:46*	*04/04/25 23:07*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/02/25 13:46*	*04/04/25 23:07*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/02/25 13:46*	*04/04/25 23:07*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:46*	*04/04/25 23:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.9**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**96.1**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B1_4-5

Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-9

Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U *	0.00083	0.00025	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00049	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,1-Dichloroethene	0.00083	U *	0.00083	0.00019	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00061	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2,4-Trimethylbenzene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
2-Butanone (MEK)	0.0041	U *	0.0041	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Acetone	0.0050	U	0.0050	0.0047	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Bromoform	0.00083	U *	0.00083	0.00035	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Carbon tetrachloride	0.00083	U *	0.00083	0.00032	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chlorobromomethane	0.00083	U	0.00083	0.00049	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chlorodibromomethane	0.00083	U *	0.00083	0.00044	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chloroform	0.00083	U	0.00083	0.00080	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Methyl acetate	0.0041	U	0.0041	0.0036	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Methylcyclohexane	0.00083	U	0.00083	0.00041	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Methylene Chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
m-Xylene & p-Xylene	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
n-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
sec-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1

Client Sample ID: 7B1_4-5

Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-9

Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Tetrachloroethene	0.00083	U *	0.00083	0.00025	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Toluene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Trichlorofluoromethane	0.00083	U *	0.00083	0.00034	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Vinyl chloride	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1
Xylenes, Total	0.0017	U	0.0017	0.00014	mg/Kg	☼	04/02/25 13:47	04/04/25 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/02/25 13:47*	*04/04/25 10:18*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/02/25 13:47*	*04/04/25 10:18*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/02/25 13:47*	*04/04/25 10:18*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/02/25 13:47*	*04/04/25 10:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.5**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**89.5**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B2_0-1

Date Collected: 04/01/25 10:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-10

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U *	0.0012	0.00037	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00073	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,1-Dichloroethene	0.0012	U *	0.0012	0.00028	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00091	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
2-Butanone (MEK)	0.0061	U *	0.0061	0.00045	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Acetone	**0.035**		0.0074	0.0070	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Benzene	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Bromoform	0.0012	U *	0.0012	0.00052	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Bromomethane	0.0025	U	0.0025	0.0012	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1

Client Sample ID: 7B2_0-1
Date Collected: 04/01/25 10:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-10
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Carbon tetrachloride	0.0012	U *	0.0012	0.00047	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chlorobromomethane	0.0012	U	0.0012	0.00073	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chlorodibromomethane	0.0012	U *	0.0012	0.00066	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Ethylbenzene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Ethylene Dibromide	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Methyl acetate	**0.0057**	**J**	0.0061	0.0053	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
N-Propylbenzene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
o-Xylene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Tetrachloroethene	0.0012	U *	0.0012	0.00037	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Trichlorofluoromethane	0.0012	U *	0.0012	0.00050	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1
Xylenes, Total	0.0025	U	0.0025	0.00021	mg/Kg	☼	04/02/25 13:47	04/04/25 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/02/25 13:47*	*04/04/25 10:43*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/02/25 13:47*	*04/04/25 10:43*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*04/02/25 13:47*	*04/04/25 10:43*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:47*	*04/04/25 10:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7B2_5-6
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-11
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00063	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
2-Hexanone	0.0042	U	0.0042	0.0015	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Acetone	0.0051	U	0.0051	0.0049	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chlorobromomethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chlorodibromomethane	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1

Client Sample ID: 7B2_5-6

Lab Sample ID: 460-323250-11

Date Collected: 04/01/25 10:50
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/02/25 13:48	04/04/25 21:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/02/25 13:48*	*04/04/25 21:03*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/02/25 13:48*	*04/04/25 21:03*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/02/25 13:48*	*04/04/25 21:03*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:48*	*04/04/25 21:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.8**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**89.2**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B2_8-9

Lab Sample ID: 460-323250-12

Date Collected: 04/01/25 10:55
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1

Client Sample ID: 7B2_8-9
Date Collected: 04/01/25 10:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-12
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Ethylbenzene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Isopropylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/02/25 13:48	04/04/25 21:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/02/25 13:48*	*04/04/25 21:27*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/02/25 13:48*	*04/04/25 21:27*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/02/25 13:48*	*04/04/25 21:27*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/02/25 13:48*	*04/04/25 21:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.1**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**91.9**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B3_3-4
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-13
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U *	0.00096	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00058	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,1-Dichloroethene	0.00096	U *	0.00096	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00071	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
2-Butanone (MEK)	0.0048	U *	0.0048	0.00035	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Benzene	0.00096	U	0.00096	0.00055	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Bromoform	0.00096	U *	0.00096	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Carbon tetrachloride	0.00096	U *	0.00096	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chlorobenzene	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chlorobromomethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chlorodibromomethane	0.00096	U *	0.00096	0.00052	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00033	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Ethylene Dibromide	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
N-Propylbenzene	0.00096	U	0.00096	0.00043	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
o-Xylene	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1

Client Sample ID: 7B3_3-4

Lab Sample ID: 460-323250-13
Date Collected: 04/01/25 11:00
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Tetrachloroethene	0.00096	U *	0.00096	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Toluene	0.00096	U	0.00096	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Trichlorofluoromethane	0.00096	U *	0.00096	0.00039	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Vinyl chloride	0.00096	U	0.00096	0.00053	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/02/25 13:49	04/04/25 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/02/25 13:49*	*04/04/25 11:57*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:49*	*04/04/25 11:57*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*04/02/25 13:49*	*04/04/25 11:57*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/02/25 13:49*	*04/04/25 11:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.7**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**89.3**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7B3_7-8

Lab Sample ID: 460-323250-14
Date Collected: 04/01/25 11:05
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,1,2,2-Tetrachloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00080	U *	0.00080	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,1,2-Trichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,1-Dichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,1-Dichloroethene	0.00080	U *	0.00080	0.00018	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2,3-Trichlorobenzene	0.00080	U	0.00080	0.00059	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2,4-Trichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2,4-Trimethylbenzene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2-Dibromo-3-Chloropropane	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2-Dichloroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,2-Dichloropropane	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,3,5-Trimethylbenzene	0.00080	U	0.00080	0.00025	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,3-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
1,4-Dichlorobenzene	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
2-Butanone (MEK)	0.0040	U *	0.0040	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Benzene	0.00080	U	0.00080	0.00045	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Bromoform	0.00080	U *	0.00080	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Bromomethane	0.0016	U	0.0016	0.00080	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1

Client Sample ID: 7B3_7-8
Date Collected: 04/01/25 11:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-14
Matrix: Solid
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Carbon tetrachloride	0.00080	U *	0.00080	0.00031	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chlorobenzene	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chlorobromomethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chlorodibromomethane	0.00080	U *	0.00080	0.00043	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chloroform	0.00080	U	0.00080	0.00077	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Chloromethane	0.00080	U	0.00080	0.00035	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
cis-1,2-Dichloroethene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
cis-1,3-Dichloropropene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Cyclohexane	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Dichlorobromomethane	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Dichlorodifluoromethane	0.00080	U	0.00080	0.00027	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Ethylbenzene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Ethylene Dibromide	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Isopropylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Methyl tert-butyl ether	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Methylcyclohexane	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
m-Xylene & p-Xylene	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
n-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
N-Propylbenzene	0.00080	U	0.00080	0.00036	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
o-Xylene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
sec-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Styrene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
tert-Butylbenzene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Tetrachloroethene	0.00080	U *	0.00080	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Toluene	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
trans-1,2-Dichloroethene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
trans-1,3-Dichloropropene	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Trichloroethene	0.00080	U	0.00080	0.00026	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Trichlorofluoromethane	0.00080	U *	0.00080	0.00032	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Vinyl chloride	0.00080	U	0.00080	0.00044	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/02/25 13:49	04/04/25 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/02/25 13:49*	*04/04/25 12:22*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:49*	*04/04/25 12:22*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/02/25 13:49*	*04/04/25 12:22*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/02/25 13:49*	*04/04/25 12:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**88.6**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C1_0-1
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-15
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U *	0.00081	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,1-Dichloroethene	0.00081	U *	0.00081	0.00018	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00060	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2-Dibromo-3-Chloropropane	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00030	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
2-Butanone (MEK)	0.0041	U *	0.0041	0.00030	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Acetone	0.0049	U	0.0049	0.0046	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Benzene	0.00081	U	0.00081	0.00046	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Bromoform	0.00081	U *	0.00081	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Carbon disulfide	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Carbon tetrachloride	0.00081	U *	0.00081	0.00031	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chlorobenzene	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chlorobromomethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chlorodibromomethane	0.00081	U *	0.00081	0.00044	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chloroform	0.00081	U	0.00081	0.00079	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00027	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Ethylbenzene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Ethylene Dibromide	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Methylcyclohexane	0.00081	U	0.00081	0.00040	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Methylene Chloride	0.0016	U	0.0016	0.00093	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
N-Propylbenzene	0.00081	U	0.00081	0.00036	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
o-Xylene	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Styrene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1

Client Sample ID: 7C1_0-1

Lab Sample ID: 460-323250-15

Date Collected: 04/01/25 11:10

Matrix: Solid

Date Received: 04/01/25 19:10

Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Tetrachloroethene	0.00081	U *	0.00081	0.00025	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Trichlorofluoromethane	0.00081	U *	0.00081	0.00033	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/02/25 13:49	04/04/25 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/02/25 13:49*	*04/04/25 12:47*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/02/25 13:49*	*04/04/25 12:47*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*04/02/25 13:49*	*04/04/25 12:47*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:49*	*04/04/25 12:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7C1_0-2

Lab Sample ID: 460-323250-16

Date Collected: 04/01/25 11:15

Matrix: Solid

Date Received: 04/01/25 19:10

Percent Solids: 89.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00031	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,1-Dichloroethene	0.0010	U *	0.0010	0.00023	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
2-Butanone (MEK)	0.0052	U *	0.0052	0.00038	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Bromoform	0.0010	U *	0.0010	0.00044	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1

Client Sample ID: 7C1_0-2
Date Collected: 04/01/25 11:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-16
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Carbon tetrachloride	0.0010	U *	0.0010	0.00040	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chlorodibromomethane	0.0010	U *	0.0010	0.00056	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Tetrachloroethene	0.0010	U *	0.0010	0.00032	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Trichlorofluoromethane	0.0010	U *	0.0010	0.00042	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/02/25 13:50	04/04/25 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/02/25 13:50*	*04/04/25 13:12*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:50*	*04/04/25 13:12*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*04/02/25 13:50*	*04/04/25 13:12*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/02/25 13:50*	*04/04/25 13:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**89.6**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C2_0-1
Date Collected: 04/01/25 11:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-17
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U *	0.00099	0.00030	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,1-Dichloroethene	0.00099	U *	0.00099	0.00022	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00073	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
2-Butanone (MEK)	0.0049	U *	0.0049	0.00036	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Bromoform	0.00099	U *	0.00099	0.00042	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Carbon tetrachloride	0.00099	U *	0.00099	0.00038	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chlorobenzene	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chlorobromomethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chlorodibromomethane	0.00099	U *	0.00099	0.00053	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Ethylene Dibromide	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
N-Propylbenzene	0.00099	U	0.00099	0.00044	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
o-Xylene	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1

Client Sample ID: 7C2_0-1

Lab Sample ID: 460-323250-17

Date Collected: 04/01/25 11:20
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Tetrachloroethene	0.00099	U *	0.00099	0.00030	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Trichlorofluoromethane	0.00099	U *	0.00099	0.00040	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/02/25 13:50	04/04/25 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/02/25 13:50*	*04/04/25 13:37*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/02/25 13:50*	*04/04/25 13:37*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*	*04/02/25 13:50*	*04/04/25 13:37*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/02/25 13:50*	*04/04/25 13:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.6**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**87.4**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7C2_1-2

Lab Sample ID: 460-323250-18

Date Collected: 04/01/25 11:25
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U *	0.00088	0.00027	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,1-Dichloroethene	0.00088	U *	0.00088	0.00020	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
2-Butanone (MEK)	0.0044	U *	0.0044	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Bromoform	0.00088	U *	0.00088	0.00037	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1

Client Sample ID: 7C2_1-2
Date Collected: 04/01/25 11:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-18
Matrix: Solid
Percent Solids: 88.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Carbon tetrachloride	0.00088	U *	0.00088	0.00034	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chlorodibromomethane	0.00088	U *	0.00088	0.00047	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chloroform	0.00088	U	0.00088	0.00086	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
N-Propylbenzene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
o-Xylene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Tetrachloroethene	0.00088	U *	0.00088	0.00027	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Trichlorofluoromethane	0.00088	U *	0.00088	0.00036	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/02/25 13:51	04/04/25 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*65 - 138*	*04/02/25 13:51*	*04/04/25 14:02*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/02/25 13:51*	*04/04/25 14:02*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/02/25 13:51*	*04/04/25 14:02*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*04/02/25 13:51*	*04/04/25 14:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**88.6**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C3_0-1
Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-19
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U *	0.0011	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,1-Dichloroethene	0.0011	U *	0.0011	0.00024	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00079	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
2-Butanone (MEK)	0.0054	U *	0.0054	0.00040	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
2-Hexanone	0.0054	U	0.0054	0.0018	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Benzene	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Bromoform	0.0011	U *	0.0011	0.00046	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Carbon tetrachloride	0.0011	U *	0.0011	0.00042	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chlorobromomethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chlorodibromomethane	0.0011	U *	0.0011	0.00058	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Ethylene Dibromide	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1

Client Sample ID: 7C3_0-1

Lab Sample ID: 460-323250-19

Date Collected: 04/01/25 11:30
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Tetrachloroethene	0.0011	U *	0.0011	0.00033	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Trichlorofluoromethane	0.0011	U *	0.0011	0.00044	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1
Xylenes, Total	0.0021	U	0.0021	0.00019	mg/Kg	☼	04/02/25 13:51	04/04/25 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/02/25 13:51*	*04/04/25 14:27*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/02/25 13:51*	*04/04/25 14:27*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/02/25 13:51*	*04/04/25 14:27*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*04/02/25 13:51*	*04/04/25 14:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.1**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**89.9**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7C3_1-2

Lab Sample ID: 460-323250-20

Date Collected: 04/01/25 11:30
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U *	0.00099	0.00030	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,1-Dichloroethene	0.00099	U *	0.00099	0.00022	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00073	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
2-Butanone (MEK)	0.0049	U *	0.0049	0.00036	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Bromoform	0.00099	U *	0.00099	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1

Client Sample ID: 7C3_1-2

Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-20

Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Carbon tetrachloride	0.00099	U *	0.00099	0.00038	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chlorobenzene	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chlorobromomethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chlorodibromomethane	0.00099	U *	0.00099	0.00053	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Ethylene Dibromide	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
N-Propylbenzene	0.00099	U	0.00099	0.00044	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
o-Xylene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Tetrachloroethene	0.00099	U *	0.00099	0.00030	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Trichlorofluoromethane	0.00099	U *	0.00099	0.00040	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/02/25 13:52	04/04/25 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/02/25 13:52*	*04/04/25 14:52*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/02/25 13:52*	*04/04/25 14:52*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/02/25 13:52*	*04/04/25 14:52*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/02/25 13:52*	*04/04/25 14:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.1**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**95.9**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C3_3-4
Date Collected: 04/01/25 11:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-21
Matrix: Solid
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U *	0.0010	0.00031	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,1-Dichloroethene	0.0010	U *	0.0010	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
2-Butanone (MEK)	0.0052	U *	0.0052	0.00038	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Bromoform	0.0010	U *	0.0010	0.00044	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Carbon tetrachloride	0.0010	U *	0.0010	0.00040	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chlorodibromomethane	0.0010	U *	0.0010	0.00056	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Ethylene Dibromide	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1

Client Sample ID: 7C3_3-4

Lab Sample ID: 460-323250-21

Date Collected: 04/01/25 11:35
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 97.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Tetrachloroethene	0.0010	U *	0.0010	0.00032	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Trichlorofluoromethane	0.0010	U *	0.0010	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/02/25 13:52	04/04/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/02/25 13:52*	*04/04/25 15:17*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/02/25 13:52*	*04/04/25 15:17*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/02/25 13:52*	*04/04/25 15:17*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/02/25 13:52*	*04/04/25 15:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.0**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**97.0**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7D1_2-3

Lab Sample ID: 460-323250-22

Date Collected: 04/01/25 11:40
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,1,2,2-Tetrachloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00080	U *	0.00080	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,1,2-Trichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,1-Dichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,1-Dichloroethene	0.00080	U *	0.00080	0.00018	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2,3-Trichlorobenzene	0.00080	U	0.00080	0.00059	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2,4-Trichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2,4-Trimethylbenzene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2-Dibromo-3-Chloropropane	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2-Dichloroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,2-Dichloropropane	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,3,5-Trimethylbenzene	0.00080	U	0.00080	0.00025	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,3-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
1,4-Dichlorobenzene	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
2-Butanone (MEK)	0.0040	U *	0.0040	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Benzene	0.00080	U	0.00080	0.00045	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Bromoform	0.00080	U *	0.00080	0.00034	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Bromomethane	0.0016	U	0.0016	0.00080	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1

Client Sample ID: 7D1_2-3

Date Collected: 04/01/25 11:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-22

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Carbon tetrachloride	0.00080	U *	0.00080	0.00031	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chlorobenzene	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chlorobromomethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chlorodibromomethane	0.00080	U *	0.00080	0.00043	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chloroform	0.00080	U	0.00080	0.00078	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Chloromethane	0.00080	U	0.00080	0.00035	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
cis-1,2-Dichloroethene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
cis-1,3-Dichloropropene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Cyclohexane	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Dichlorobromomethane	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Dichlorodifluoromethane	0.00080	U	0.00080	0.00027	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Ethylbenzene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Ethylene Dibromide	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Isopropylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Methyl tert-butyl ether	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Methylcyclohexane	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Methylene Chloride	0.0016	U	0.0016	0.00092	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
m-Xylene & p-Xylene	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
n-Butylbenzene	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
N-Propylbenzene	0.00080	U	0.00080	0.00036	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
o-Xylene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
sec-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Styrene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
tert-Butylbenzene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Tetrachloroethene	0.00080	U *	0.00080	0.00024	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Toluene	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
trans-1,2-Dichloroethene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
trans-1,3-Dichloropropene	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Trichloroethene	0.00080	U	0.00080	0.00026	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Trichlorofluoromethane	0.00080	U *	0.00080	0.00032	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Vinyl chloride	0.00080	U	0.00080	0.00044	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/02/25 13:52	04/04/25 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/02/25 13:52*	*04/04/25 15:42*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/02/25 13:52*	*04/04/25 15:42*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/02/25 13:52*	*04/04/25 15:42*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/02/25 13:52*	*04/04/25 15:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.8**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**88.2**		1.0	1.0	%			04/03/25 07:26	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7D1_5-6
Date Collected: 04/01/25 11:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-23
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U *	0.00085	0.00025	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,1-Dichloroethene	0.00085	U *	0.00085	0.00019	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00062	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
2-Butanone (MEK)	0.0042	U *	0.0042	0.00031	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Bromoform	0.00085	U *	0.00085	0.00036	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Carbon tetrachloride	0.00085	U *	0.00085	0.00033	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chlorobromomethane	0.00085	U	0.00085	0.00050	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chlorodibromomethane	0.00085	U *	0.00085	0.00045	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1

Client Sample ID: 7D1_5-6

Lab Sample ID: 460-323250-23

Date Collected: 04/01/25 11:45
Date Received: 04/01/25 19:10

Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Tetrachloroethene	0.00085	U *	0.00085	0.00026	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Trichlorofluoromethane	0.00085	U *	0.00085	0.00034	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/02/25 13:53	04/04/25 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*04/02/25 13:53*	*04/04/25 16:07*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/02/25 13:53*	*04/04/25 16:07*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/02/25 13:53*	*04/04/25 16:07*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/02/25 13:53*	*04/04/25 16:07*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7D2_1-2

Lab Sample ID: 460-323250-24

Date Collected: 04/01/25 11:50
Date Received: 04/01/25 19:10

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U *	0.0011	0.00033	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,1-Dichloroethene	0.0011	U *	0.0011	0.00025	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
2-Butanone (MEK)	0.0055	U *	0.0055	0.00040	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Acetone	0.0066	U	0.0066	0.0062	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Bromoform	0.0011	U *	0.0011	0.00046	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1

Client Sample ID: 7D2_1-2
Date Collected: 04/01/25 11:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-24
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Carbon tetrachloride	0.0011	U *	0.0011	0.00042	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chlorobromomethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chlorodibromomethane	0.0011	U *	0.0011	0.00059	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Tetrachloroethene	0.0011	U *	0.0011	0.00033	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Trichlorofluoromethane	0.0011	U *	0.0011	0.00044	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/02/25 13:53	04/04/25 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/02/25 13:53*	*04/04/25 16:32*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/02/25 13:53*	*04/04/25 16:32*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/02/25 13:53*	*04/04/25 16:32*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/02/25 13:53*	*04/04/25 16:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.9		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	90.1		1.0	1.0	%			04/03/25 07:26	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323250-1	7A1_2-3	99	104	98	99
460-323250-2	7A1_3-4	95	105	94	96
460-323250-3	7A1_6-7	107	95	120	92
460-323250-4	7A2_1-2	107	90	118	89
460-323250-5	7A2_7-8	109	98	122	93
460-323250-6	7A3_2-3	109	95	120	91
460-323250-7	7A3_6-7	108	95	121	92
460-323250-8	7B1_0-1	100	96	117	93
460-323250-9	7B1_4-5	106	98	119	96
460-323250-10	7B2_0-1	102	97	113	93
460-323250-11	7B2_5-6	107	96	118	93
460-323250-12	7B2_8-9	106	93	117	90
460-323250-13	7B3_3-4	100	95	112	92
460-323250-14	7B3_7-8	103	95	115	92
460-323250-15	7C1_0-1	103	94	113	93
460-323250-16	7C1_0-2	104	95	114	94
460-323250-17	7C2_0-1	104	94	113	91
460-323250-18	7C2_1-2	116	92	118	102
460-323250-19	7C3_0-1	106	95	117	89
460-323250-20	7C3_1-2	104	96	115	93
460-323250-21	7C3_3-4	103	92	116	91
460-323250-22	7D1_2-3	106	92	117	90
460-323250-23	7D1_5-6	105	90	115	91
460-323250-24	7D2_1-2	106	92	118	92
LCS 460-1029575/3	Lab Control Sample	91	101	93	99
LCS 460-1029670/3	Lab Control Sample	87	96	101	92
LCS 460-1029765/3	Lab Control Sample	96	100	108	97
LCSD 460-1029575/4	Lab Control Sample Dup	89	100	90	96
LCSD 460-1029670/4	Lab Control Sample Dup	97	100	108	98
LCSD 460-1029765/4	Lab Control Sample Dup	95	99	107	96
MB 460-1029575/7	Method Blank	96	103	94	99
MB 460-1029670/7	Method Blank	98	94	112	94
MB 460-1029765/7	Method Blank	104	95	117	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1029575/7
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 20:35	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/03/25 20:35	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 20:35	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 20:35	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 20:35	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/03/25 20:35	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 20:35	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/03/25 20:35	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/03/25 20:35	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 20:35	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/03/25 20:35	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/03/25 20:35	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/03/25 20:35	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/03/25 20:35	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 20:35	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/03/25 20:35	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/03/25 20:35	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/03/25 20:35	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/03/25 20:35	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/03/25 20:35	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/03/25 20:35	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/03/25 20:35	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 20:35	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/03/25 20:35	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/03/25 20:35	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 20:35	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/03/25 20:35	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 20:35	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/03/25 20:35	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/03/25 20:35	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 20:35	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 20:35	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/03/25 20:35	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/03/25 20:35	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/03/25 20:35	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/03/25 20:35	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/03/25 20:35	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 20:35	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/03/25 20:35	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/03/25 20:35	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/03/25 20:35	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/03/25 20:35	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/03/25 20:35	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 20:35	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/03/25 20:35	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/03/25 20:35	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 20:35	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1029575/7
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/03/25 20:35	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/03/25 20:35	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/03/25 20:35	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 20:35	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/03/25 20:35	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 20:35	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/03/25 20:35	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/03/25 20:35	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/03/25 20:35	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/03/25 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*		*04/03/25 20:35*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*		*04/03/25 20:35*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*		*04/03/25 20:35*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*04/03/25 20:35*	*1*

Lab Sample ID: LCS 460-1029575/3
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0165		mg/Kg		82	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0198		mg/Kg		99	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0172		mg/Kg		86	75 - 121
1,1,2-Trichloroethane	0.0200	0.0185		mg/Kg		93	80 - 120
1,1-Dichloroethane	0.0200	0.0176		mg/Kg		88	72 - 120
1,1-Dichloroethene	0.0200	0.0162		mg/Kg		81	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0207		mg/Kg		103	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0203		mg/Kg		102	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0200		mg/Kg		100	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0190		mg/Kg		95	80 - 124
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 123
1,2-Dichloropropane	0.0200	0.0180		mg/Kg		90	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0197		mg/Kg		98	70 - 120
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0887		mg/Kg		89	64 - 128
2-Hexanone	0.100	0.0947		mg/Kg		95	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0949		mg/Kg		95	80 - 120
Acetone	0.100	0.0822		mg/Kg		82	58 - 122
Benzene	0.0200	0.0184		mg/Kg		92	75 - 120
Bromoform	0.0200	0.0178		mg/Kg		89	61 - 125
Bromomethane	0.0200	0.0166		mg/Kg		83	37 - 150
Carbon disulfide	0.0200	0.0161		mg/Kg		80	57 - 133
Carbon tetrachloride	0.0200	0.0171		mg/Kg		85	66 - 127
Chlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1029575/3
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0168		mg/Kg		84	76 - 127
Chlorodibromomethane	0.0200	0.0180		mg/Kg		90	72 - 120
Chloroethane	0.0200	0.0187		mg/Kg		94	60 - 123
Chloroform	0.0200	0.0173		mg/Kg		86	79 - 126
Chloromethane	0.0200	0.0178		mg/Kg		89	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0171		mg/Kg		86	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0193		mg/Kg		96	75 - 120
Cyclohexane	0.0200	0.0172		mg/Kg		86	65 - 132
Dichlorobromomethane	0.0200	0.0169		mg/Kg		84	77 - 124
Dichlorodifluoromethane	0.0200	0.0151		mg/Kg		75	45 - 129
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0185		mg/Kg		93	79 - 120
Isopropylbenzene	0.0200	0.0191		mg/Kg		96	74 - 120
Methyl acetate	0.0400	0.0375		mg/Kg		94	57 - 120
Methyl tert-butyl ether	0.0200	0.0171		mg/Kg		85	74 - 125
Methylcyclohexane	0.0200	0.0174		mg/Kg		87	66 - 125
Methylene Chloride	0.0200	0.0168		mg/Kg		84	78 - 120
m-Xylene & p-Xylene	0.0200	0.0189		mg/Kg		94	80 - 120
n-Butylbenzene	0.0200	0.0205		mg/Kg		103	72 - 120
N-Propylbenzene	0.0200	0.0194		mg/Kg		97	68 - 120
o-Xylene	0.0200	0.0185		mg/Kg		93	80 - 120
sec-Butylbenzene	0.0200	0.0202		mg/Kg		101	78 - 120
Styrene	0.0200	0.0187		mg/Kg		94	80 - 120
tert-Butylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0178		mg/Kg		89	73 - 120
Toluene	0.0200	0.0185		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0167		mg/Kg		83	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		93	77 - 120
Trichloroethene	0.0200	0.0169		mg/Kg		84	80 - 120
Trichlorofluoromethane	0.0200	0.0176		mg/Kg		88	61 - 130
Vinyl chloride	0.0200	0.0179		mg/Kg		90	54 - 122
Xylenes, Total	0.0400	0.0374		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*99*		*71 - 126*

Lab Sample ID: LCSD 460-1029575/4
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		88	78 - 120	7	30
1,1,2,2-Tetrachloroethane	0.0200	0.0197		mg/Kg		99	70 - 133	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0170		mg/Kg		85	75 - 121	1	30
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		94	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029575/4
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0180		mg/Kg		90	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0164		mg/Kg		82	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	77 - 137	3	30
1,2,4-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	77 - 136	2	30
1,2,4-Trimethylbenzene	0.0200	0.0204		mg/Kg		102	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0182		mg/Kg		91	80 - 124	5	30
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	0	30
1,2-Dichloroethane	0.0200	0.0172		mg/Kg		86	70 - 123	0	30
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		92	73 - 124	2	30
1,3,5-Trimethylbenzene	0.0200	0.0200		mg/Kg		100	70 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	0	30
2-Butanone (MEK)	0.100	0.0867		mg/Kg		87	64 - 128	2	30
2-Hexanone	0.100	0.0962		mg/Kg		96	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0954		mg/Kg		95	80 - 120	1	30
Acetone	0.100	0.0832		mg/Kg		83	58 - 122	1	30
Benzene	0.0200	0.0189		mg/Kg		94	75 - 120	2	30
Bromoform	0.0200	0.0180		mg/Kg		90	61 - 125	1	30
Bromomethane	0.0200	0.0168		mg/Kg		84	37 - 150	1	30
Carbon disulfide	0.0200	0.0166		mg/Kg		83	57 - 133	3	30
Carbon tetrachloride	0.0200	0.0175		mg/Kg		88	66 - 127	2	30
Chlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	2	30
Chlorobromomethane	0.0200	0.0164		mg/Kg		82	76 - 127	3	30
Chlorodibromomethane	0.0200	0.0183		mg/Kg		92	72 - 120	2	30
Chloroethane	0.0200	0.0186		mg/Kg		93	60 - 123	1	30
Chloroform	0.0200	0.0178		mg/Kg		89	79 - 126	3	30
Chloromethane	0.0200	0.0176		mg/Kg		88	46 - 122	1	30
cis-1,2-Dichloroethene	0.0200	0.0169		mg/Kg		84	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	75 - 120	0	30
Cyclohexane	0.0200	0.0175		mg/Kg		88	65 - 132	2	30
Dichlorobromomethane	0.0200	0.0169		mg/Kg		85	77 - 124	0	30
Dichlorodifluoromethane	0.0200	0.0154		mg/Kg		77	45 - 129	2	30
Ethylbenzene	0.0200	0.0185		mg/Kg		93	80 - 120	0	30
Ethylene Dibromide	0.0200	0.0187		mg/Kg		93	79 - 120	1	30
Isopropylbenzene	0.0200	0.0192		mg/Kg		96	74 - 120	0	30
Methyl acetate	0.0400	0.0389		mg/Kg		97	57 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0174		mg/Kg		87	74 - 125	2	30
Methylcyclohexane	0.0200	0.0178		mg/Kg		89	66 - 125	3	30
Methylene Chloride	0.0200	0.0171		mg/Kg		86	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120	0	30
n-Butylbenzene	0.0200	0.0203		mg/Kg		102	72 - 120	1	30
N-Propylbenzene	0.0200	0.0199		mg/Kg		99	68 - 120	3	30
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120	0	30
sec-Butylbenzene	0.0200	0.0210		mg/Kg		105	78 - 120	4	30
Styrene	0.0200	0.0189		mg/Kg		95	80 - 120	1	30
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120	2	30
Tetrachloroethene	0.0200	0.0180		mg/Kg		90	73 - 120	1	30
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0170		mg/Kg		85	78 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029575/4
Matrix: Solid
Analysis Batch: 1029575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0192		mg/Kg		96	77 - 120	4	30
Trichloroethene			0.0200	0.0171		mg/Kg		86	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0177		mg/Kg		88	61 - 130	0	30
Vinyl chloride			0.0200	0.0184		mg/Kg		92	54 - 122	2	30
Xylenes, Total			0.0400	0.0374		mg/Kg		94	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*90*		*50 - 150*
Toluene-d8 (Surr)	*96*		*71 - 126*

Lab Sample ID: MB 460-1029670/7
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 09:03	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 09:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/04/25 09:03	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 09:03	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 09:03	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 09:03	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/04/25 09:03	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 09:03	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/04/25 09:03	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/04/25 09:03	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 09:03	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/04/25 09:03	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/04/25 09:03	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/04/25 09:03	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/04/25 09:03	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 09:03	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/04/25 09:03	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/04/25 09:03	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/04/25 09:03	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/04/25 09:03	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/04/25 09:03	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/04/25 09:03	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/04/25 09:03	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 09:03	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/04/25 09:03	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/04/25 09:03	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 09:03	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/04/25 09:03	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 09:03	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/04/25 09:03	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/04/25 09:03	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1029670/7
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 09:03	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 09:03	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/04/25 09:03	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/04/25 09:03	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/04/25 09:03	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/04/25 09:03	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/04/25 09:03	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 09:03	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/04/25 09:03	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/04/25 09:03	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/04/25 09:03	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/04/25 09:03	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/04/25 09:03	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 09:03	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/04/25 09:03	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/04/25 09:03	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 09:03	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/04/25 09:03	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/04/25 09:03	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/04/25 09:03	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 09:03	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/04/25 09:03	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 09:03	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/04/25 09:03	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/04/25 09:03	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/04/25 09:03	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/04/25 09:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*		*04/04/25 09:03*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*		*04/04/25 09:03*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*		*04/04/25 09:03*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*04/04/25 09:03*	*1*

Lab Sample ID: LCS 460-1029670/3
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0241		mg/Kg		120	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0186		mg/Kg		93	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0263	*	mg/Kg		132	75 - 121
1,1,2-Trichloroethane	0.0200	0.0206		mg/Kg		103	80 - 120
1,1-Dichloroethane	0.0200	0.0196		mg/Kg		98	72 - 120
1,1-Dichloroethene	0.0200	0.0251	*	mg/Kg		126	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0236		mg/Kg		118	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0238		mg/Kg		119	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0219		mg/Kg		110	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1029670/3
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0228		mg/Kg		114	80 - 124
1,2-Dichlorobenzene	0.0200	0.0235		mg/Kg		118	80 - 120
1,2-Dichloroethane	0.0200	0.0206		mg/Kg		103	70 - 123
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		96	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0220		mg/Kg		110	70 - 120
1,3-Dichlorobenzene	0.0200	0.0239		mg/Kg		119	80 - 120
1,4-Dichlorobenzene	0.0200	0.0238		mg/Kg		119	80 - 120
2-Butanone (MEK)	0.100	0.132	*	mg/Kg		132	64 - 128
2-Hexanone	0.100	0.108		mg/Kg		108	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.110		mg/Kg		110	80 - 120
Acetone	0.100	0.120		mg/Kg		120	58 - 122
Benzene	0.0200	0.0209		mg/Kg		104	75 - 120
Bromoform	0.0200	0.0253	*	mg/Kg		127	61 - 125
Bromomethane	0.0200	0.0256		mg/Kg		128	37 - 150
Carbon disulfide	0.0200	0.0224		mg/Kg		112	57 - 133
Carbon tetrachloride	0.0200	0.0259	*	mg/Kg		130	66 - 127
Chlorobenzene	0.0200	0.0229		mg/Kg		115	80 - 120
Chlorobromomethane	0.0200	0.0248		mg/Kg		124	76 - 127
Chlorodibromomethane	0.0200	0.0245	*	mg/Kg		123	72 - 120
Chloroethane	0.0200	0.0218		mg/Kg		109	60 - 123
Chloroform	0.0200	0.0226		mg/Kg		113	79 - 126
Chloromethane	0.0200	0.0190		mg/Kg		95	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0228		mg/Kg		114	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0207		mg/Kg		104	75 - 120
Cyclohexane	0.0200	0.0214		mg/Kg		107	65 - 132
Dichlorobromomethane	0.0200	0.0221		mg/Kg		111	77 - 124
Dichlorodifluoromethane	0.0200	0.0236		mg/Kg		118	45 - 129
Ethylbenzene	0.0200	0.0227		mg/Kg		114	80 - 120
Ethylene Dibromide	0.0200	0.0224		mg/Kg		112	79 - 120
Isopropylbenzene	0.0200	0.0223		mg/Kg		112	74 - 120
Methyl acetate	0.0400	0.0342		mg/Kg		86	57 - 120
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		99	74 - 125
Methylcyclohexane	0.0200	0.0217		mg/Kg		108	66 - 125
Methylene Chloride	0.0200	0.0223		mg/Kg		112	78 - 120
m-Xylene & p-Xylene	0.0200	0.0224		mg/Kg		112	80 - 120
n-Butylbenzene	0.0200	0.0218		mg/Kg		109	72 - 120
N-Propylbenzene	0.0200	0.0221		mg/Kg		110	68 - 120
o-Xylene	0.0200	0.0222		mg/Kg		111	80 - 120
sec-Butylbenzene	0.0200	0.0216		mg/Kg		108	78 - 120
Styrene	0.0200	0.0227		mg/Kg		114	80 - 120
tert-Butylbenzene	0.0200	0.0223		mg/Kg		112	80 - 120
Tetrachloroethene	0.0200	0.0278	*	mg/Kg		139	73 - 120
Toluene	0.0200	0.0215		mg/Kg		107	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0237		mg/Kg		118	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0200		mg/Kg		100	77 - 120
Trichloroethene	0.0200	0.0228		mg/Kg		114	80 - 120
Trichlorofluoromethane	0.0200	0.0293	*	mg/Kg		147	61 - 130
Vinyl chloride	0.0200	0.0205		mg/Kg		103	54 - 122
Xylenes, Total	0.0400	0.0446		mg/Kg		111	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		65 - 138
4-Bromofluorobenzene	96		71 - 128
Dibromofluoromethane (Surr)	101		50 - 150
Toluene-d8 (Surr)	92		71 - 126

Lab Sample ID: LCSD 460-1029670/4
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0222		mg/Kg		111	78 - 120	8	30
1,1,2,2-Tetrachloroethane			0.0200	0.0179		mg/Kg		89	70 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0242		mg/Kg		121	75 - 121	8	30
1,1,2-Trichloroethane			0.0200	0.0197		mg/Kg		99	80 - 120	4	30
1,1-Dichloroethane			0.0200	0.0181		mg/Kg		90	72 - 120	8	30
1,1-Dichloroethene			0.0200	0.0231		mg/Kg		116	76 - 120	8	30
1,2,3-Trichlorobenzene			0.0200	0.0226		mg/Kg		113	77 - 137	4	30
1,2,4-Trichlorobenzene			0.0200	0.0222		mg/Kg		111	77 - 136	7	30
1,2,4-Trimethylbenzene			0.0200	0.0203		mg/Kg		101	75 - 120	8	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0217		mg/Kg		108	80 - 124	5	30
1,2-Dichlorobenzene			0.0200	0.0222		mg/Kg		111	80 - 120	6	30
1,2-Dichloroethane			0.0200	0.0195		mg/Kg		97	70 - 123	6	30
1,2-Dichloropropane			0.0200	0.0180		mg/Kg		90	73 - 124	7	30
1,3,5-Trimethylbenzene			0.0200	0.0204		mg/Kg		102	70 - 120	7	30
1,3-Dichlorobenzene			0.0200	0.0220		mg/Kg		110	80 - 120	8	30
1,4-Dichlorobenzene			0.0200	0.0218		mg/Kg		109	80 - 120	9	30
2-Butanone (MEK)			0.100	0.128		mg/Kg		128	64 - 128	4	30
2-Hexanone			0.100	0.103		mg/Kg		103	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.107		mg/Kg		107	80 - 120	2	30
Acetone			0.100	0.120		mg/Kg		120	58 - 122	0	30
Benzene			0.0200	0.0191		mg/Kg		96	75 - 120	9	30
Bromoform			0.0200	0.0246		mg/Kg		123	61 - 125	3	30
Bromomethane			0.0200	0.0244		mg/Kg		122	37 - 150	5	30
Carbon disulfide			0.0200	0.0204		mg/Kg		102	57 - 133	9	30
Carbon tetrachloride			0.0200	0.0235		mg/Kg		118	66 - 127	10	30
Chlorobenzene			0.0200	0.0212		mg/Kg		106	80 - 120	8	30
Chlorobromomethane			0.0200	0.0236		mg/Kg		118	76 - 127	5	30
Chlorodibromomethane			0.0200	0.0230		mg/Kg		115	72 - 120	6	30
Chloroethane			0.0200	0.0207		mg/Kg		103	60 - 123	5	30
Chloroform			0.0200	0.0207		mg/Kg		103	79 - 126	9	30
Chloromethane			0.0200	0.0174		mg/Kg		87	46 - 122	9	30
cis-1,2-Dichloroethene			0.0200	0.0213		mg/Kg		106	80 - 123	7	30
cis-1,3-Dichloropropene			0.0200	0.0191		mg/Kg		96	75 - 120	8	30
Cyclohexane			0.0200	0.0200		mg/Kg		100	65 - 132	7	30
Dichlorobromomethane			0.0200	0.0204		mg/Kg		102	77 - 124	8	30
Dichlorodifluoromethane			0.0200	0.0208		mg/Kg		104	45 - 129	13	30
Ethylbenzene			0.0200	0.0207		mg/Kg		104	80 - 120	9	30
Ethylene Dibromide			0.0200	0.0219		mg/Kg		110	79 - 120	2	30
Isopropylbenzene			0.0200	0.0205		mg/Kg		102	74 - 120	9	30
Methyl acetate			0.0400	0.0326		mg/Kg		82	57 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0188		mg/Kg		94	74 - 125	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029670/4
Matrix: Solid
Analysis Batch: 1029670

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane	0.0200	0.0196		mg/Kg		98	66 - 125	10	30
Methylene Chloride	0.0200	0.0214		mg/Kg		107	78 - 120	4	30
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		101	80 - 120	11	30
n-Butylbenzene	0.0200	0.0200		mg/Kg		100	72 - 120	8	30
N-Propylbenzene	0.0200	0.0198		mg/Kg		99	68 - 120	11	30
o-Xylene	0.0200	0.0206		mg/Kg		103	80 - 120	7	30
sec-Butylbenzene	0.0200	0.0195		mg/Kg		98	78 - 120	10	30
Styrene	0.0200	0.0211		mg/Kg		105	80 - 120	8	30
tert-Butylbenzene	0.0200	0.0199		mg/Kg		99	80 - 120	12	30
Tetrachloroethene	0.0200	0.0239		mg/Kg		119	73 - 120	15	30
Toluene	0.0200	0.0194		mg/Kg		97	80 - 120	10	30
trans-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		107	78 - 120	10	30
trans-1,3-Dichloropropene	0.0200	0.0190		mg/Kg		95	77 - 120	5	30
Trichloroethene	0.0200	0.0206		mg/Kg		103	80 - 120	10	30
Trichlorofluoromethane	0.0200	0.0271	*	mg/Kg		135	61 - 130	8	30
Vinyl chloride	0.0200	0.0189		mg/Kg		94	54 - 122	9	30
Xylenes, Total	0.0400	0.0408		mg/Kg		102	80 - 120	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*108*		*50 - 150*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: MB 460-1029765/7
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 20:38	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 20:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/04/25 20:38	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 20:38	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 20:38	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 20:38	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/04/25 20:38	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 20:38	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/04/25 20:38	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/04/25 20:38	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 20:38	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/04/25 20:38	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/04/25 20:38	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/04/25 20:38	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/04/25 20:38	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 20:38	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/04/25 20:38	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/04/25 20:38	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/04/25 20:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1029765/7
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/04/25 20:38	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/04/25 20:38	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/04/25 20:38	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/04/25 20:38	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 20:38	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/04/25 20:38	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/04/25 20:38	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/04/25 20:38	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/04/25 20:38	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/04/25 20:38	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/04/25 20:38	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/04/25 20:38	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/04/25 20:38	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 20:38	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/04/25 20:38	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/04/25 20:38	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/04/25 20:38	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/04/25 20:38	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/04/25 20:38	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 20:38	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/04/25 20:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/04/25 20:38	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/04/25 20:38	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/04/25 20:38	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/04/25 20:38	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 20:38	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/04/25 20:38	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/04/25 20:38	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/04/25 20:38	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/04/25 20:38	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/04/25 20:38	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/04/25 20:38	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/04/25 20:38	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/04/25 20:38	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/04/25 20:38	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/04/25 20:38	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/04/25 20:38	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/04/25 20:38	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/04/25 20:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*		*04/04/25 20:38*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*		*04/04/25 20:38*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*		*04/04/25 20:38*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*04/04/25 20:38*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1029765/3
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0199		mg/Kg		100	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0163		mg/Kg		81	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0215		mg/Kg		108	75 - 121
1,1,2-Trichloroethane	0.0200	0.0185		mg/Kg		92	80 - 120
1,1-Dichloroethane	0.0200	0.0168		mg/Kg		84	72 - 120
1,1-Dichloroethene	0.0200	0.0210		mg/Kg		105	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0205		mg/Kg		102	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0185		mg/Kg		93	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0202		mg/Kg		101	80 - 124
1,2-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
1,2-Dichloroethane	0.0200	0.0187		mg/Kg		94	70 - 123
1,2-Dichloropropane	0.0200	0.0168		mg/Kg		84	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0178		mg/Kg		89	70 - 120
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
2-Butanone (MEK)	0.100	0.116		mg/Kg		116	64 - 128
2-Hexanone	0.100	0.0952		mg/Kg		95	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0986		mg/Kg		99	80 - 120
Acetone	0.100	0.105		mg/Kg		105	58 - 122
Benzene	0.0200	0.0176		mg/Kg		88	75 - 120
Bromoform	0.0200	0.0235		mg/Kg		117	61 - 125
Bromomethane	0.0200	0.0199		mg/Kg		100	37 - 150
Carbon disulfide	0.0200	0.0184		mg/Kg		92	57 - 133
Carbon tetrachloride	0.0200	0.0213		mg/Kg		107	66 - 127
Chlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120
Chlorobromomethane	0.0200	0.0227		mg/Kg		114	76 - 127
Chlorodibromomethane	0.0200	0.0218		mg/Kg		109	72 - 120
Chloroethane	0.0200	0.0164		mg/Kg		82	60 - 123
Chloroform	0.0200	0.0192		mg/Kg		96	79 - 126
Chloromethane	0.0200	0.0142		mg/Kg		71	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0173		mg/Kg		86	75 - 120
Cyclohexane	0.0200	0.0173		mg/Kg		87	65 - 132
Dichlorobromomethane	0.0200	0.0195		mg/Kg		98	77 - 124
Dichlorodifluoromethane	0.0200	0.0190		mg/Kg		95	45 - 129
Ethylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120
Ethylene Dibromide	0.0200	0.0204		mg/Kg		102	79 - 120
Isopropylbenzene	0.0200	0.0182		mg/Kg		91	74 - 120
Methyl acetate	0.0400	0.0297		mg/Kg		74	57 - 120
Methyl tert-butyl ether	0.0200	0.0171		mg/Kg		86	74 - 125
Methylcyclohexane	0.0200	0.0170		mg/Kg		85	66 - 125
Methylene Chloride	0.0200	0.0200		mg/Kg		100	78 - 120
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
n-Butylbenzene	0.0200	0.0167		mg/Kg		84	72 - 120
N-Propylbenzene	0.0200	0.0171		mg/Kg		86	68 - 120
o-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120
sec-Butylbenzene	0.0200	0.0167		mg/Kg		84	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1029765/3
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Styrene			0.0200	0.0189		mg/Kg		95	80 - 120		
tert-Butylbenzene			0.0200	0.0175		mg/Kg		87	80 - 120		
Tetrachloroethene			0.0200	0.0218		mg/Kg		109	73 - 120		
Toluene			0.0200	0.0177		mg/Kg		88	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0197		mg/Kg		99	78 - 120		
trans-1,3-Dichloropropene			0.0200	0.0170		mg/Kg		85	77 - 120		
Trichloroethene			0.0200	0.0192		mg/Kg		96	80 - 120		
Trichlorofluoromethane			0.0200	0.0223		mg/Kg		112	61 - 130		
Vinyl chloride			0.0200	0.0154		mg/Kg		77	54 - 122		
Xylenes, Total			0.0400	0.0365		mg/Kg		91	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*108*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: LCSD 460-1029765/4
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0205		mg/Kg		103	78 - 120	3	30
1,1,2,2-Tetrachloroethane			0.0200	0.0169		mg/Kg		84	70 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0222		mg/Kg		111	75 - 121	3	30
1,1,2-Trichloroethane			0.0200	0.0189		mg/Kg		94	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0173		mg/Kg		86	72 - 120	3	30
1,1-Dichloroethene			0.0200	0.0217		mg/Kg		109	76 - 120	3	30
1,2,3-Trichlorobenzene			0.0200	0.0204		mg/Kg		102	77 - 137	0	30
1,2,4-Trichlorobenzene			0.0200	0.0193		mg/Kg		97	77 - 136	4	30
1,2,4-Trimethylbenzene			0.0200	0.0177		mg/Kg		89	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0217		mg/Kg		109	80 - 124	7	30
1,2-Dichlorobenzene			0.0200	0.0208		mg/Kg		104	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0187		mg/Kg		94	70 - 123	0	30
1,2-Dichloropropane			0.0200	0.0168		mg/Kg		84	73 - 124	0	30
1,3,5-Trimethylbenzene			0.0200	0.0180		mg/Kg		90	70 - 120	1	30
1,3-Dichlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
2-Butanone (MEK)			0.100	0.121		mg/Kg		121	64 - 128	4	30
2-Hexanone			0.100	0.0960		mg/Kg		96	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0978		mg/Kg		98	80 - 120	1	30
Acetone			0.100	0.106		mg/Kg		106	58 - 122	1	30
Benzene			0.0200	0.0178		mg/Kg		89	75 - 120	1	30
Bromoform			0.0200	0.0246		mg/Kg		123	61 - 125	5	30
Bromomethane			0.0200	0.0211		mg/Kg		105	37 - 150	6	30
Carbon disulfide			0.0200	0.0189		mg/Kg		95	57 - 133	3	30
Carbon tetrachloride			0.0200	0.0219		mg/Kg		110	66 - 127	3	30
Chlorobenzene			0.0200	0.0201		mg/Kg		101	80 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029765/4
Matrix: Solid
Analysis Batch: 1029765

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane			0.0200	0.0235		mg/Kg		118	76 - 127	3	30
Chlorodibromomethane			0.0200	0.0222		mg/Kg		111	72 - 120	2	30
Chloroethane			0.0200	0.0175		mg/Kg		87	60 - 123	6	30
Chloroform			0.0200	0.0198		mg/Kg		99	79 - 126	3	30
Chloromethane			0.0200	0.0151		mg/Kg		75	46 - 122	6	30
cis-1,2-Dichloroethene			0.0200	0.0202		mg/Kg		101	80 - 123	2	30
cis-1,3-Dichloropropene			0.0200	0.0174		mg/Kg		87	75 - 120	1	30
Cyclohexane			0.0200	0.0178		mg/Kg		89	65 - 132	3	30
Dichlorobromomethane			0.0200	0.0197		mg/Kg		99	77 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0199		mg/Kg		99	45 - 129	4	30
Ethylbenzene			0.0200	0.0187		mg/Kg		94	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0210		mg/Kg		105	79 - 120	3	30
Isopropylbenzene			0.0200	0.0188		mg/Kg		94	74 - 120	3	30
Methyl acetate			0.0400	0.0325		mg/Kg		81	57 - 120	9	30
Methyl tert-butyl ether			0.0200	0.0180		mg/Kg		90	74 - 125	5	30
Methylcyclohexane			0.0200	0.0181		mg/Kg		90	66 - 125	6	30
Methylene Chloride			0.0200	0.0201		mg/Kg		100	78 - 120	1	30
m-Xylene & p-Xylene			0.0200	0.0186		mg/Kg		93	80 - 120	2	30
n-Butylbenzene			0.0200	0.0176		mg/Kg		88	72 - 120	5	30
N-Propylbenzene			0.0200	0.0179		mg/Kg		90	68 - 120	5	30
o-Xylene			0.0200	0.0183		mg/Kg		91	80 - 120	0	30
sec-Butylbenzene			0.0200	0.0174		mg/Kg		87	78 - 120	4	30
Styrene			0.0200	0.0196		mg/Kg		98	80 - 120	3	30
tert-Butylbenzene			0.0200	0.0180		mg/Kg		90	80 - 120	3	30
Tetrachloroethene			0.0200	0.0224		mg/Kg		112	73 - 120	3	30
Toluene			0.0200	0.0182		mg/Kg		91	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0201		mg/Kg		100	78 - 120	2	30
trans-1,3-Dichloropropene			0.0200	0.0175		mg/Kg		87	77 - 120	3	30
Trichloroethene			0.0200	0.0197		mg/Kg		99	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0238		mg/Kg		119	61 - 130	6	30
Vinyl chloride			0.0200	0.0164		mg/Kg		82	54 - 122	6	30
Xylenes, Total			0.0400	0.0368		mg/Kg		92	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*107*		*50 - 150*
Toluene-d8 (Surr)	*96*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323250-12 DU
Matrix: Solid
Analysis Batch: 1029464

Client Sample ID: 7B2_8-9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.1			9.2		%				13	20
Percent Solids	91.9			90.8		%				1	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-323250-24 DU
Matrix: Solid
Analysis Batch: 1029464

Client Sample ID: 7D2_1-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.9			10.2		%				4	20
Percent Solids	90.1			89.8		%				0.4	20

GC/MS VOA

Prep Batch: 1029316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323250-1	7A1_2-3	Total/NA	Solid	5035	
460-323250-2	7A1_3-4	Total/NA	Solid	5035	
460-323250-3	7A1_6-7	Total/NA	Solid	5035	
460-323250-4	7A2_1-2	Total/NA	Solid	5035	
460-323250-5	7A2_7-8	Total/NA	Solid	5035	
460-323250-6	7A3_2-3	Total/NA	Solid	5035	
460-323250-7	7A3_6-7	Total/NA	Solid	5035	
460-323250-8	7B1_0-1	Total/NA	Solid	5035	
460-323250-9	7B1_4-5	Total/NA	Solid	5035	
460-323250-10	7B2_0-1	Total/NA	Solid	5035	
460-323250-11	7B2_5-6	Total/NA	Solid	5035	
460-323250-12	7B2_8-9	Total/NA	Solid	5035	
460-323250-13	7B3_3-4	Total/NA	Solid	5035	
460-323250-14	7B3_7-8	Total/NA	Solid	5035	
460-323250-15	7C1_0-1	Total/NA	Solid	5035	
460-323250-16	7C1_0-2	Total/NA	Solid	5035	
460-323250-17	7C2_0-1	Total/NA	Solid	5035	
460-323250-18	7C2_1-2	Total/NA	Solid	5035	
460-323250-19	7C3_0-1	Total/NA	Solid	5035	
460-323250-20	7C3_1-2	Total/NA	Solid	5035	
460-323250-21	7C3_3-4	Total/NA	Solid	5035	
460-323250-22	7D1_2-3	Total/NA	Solid	5035	
460-323250-23	7D1_5-6	Total/NA	Solid	5035	
460-323250-24	7D2_1-2	Total/NA	Solid	5035	

Analysis Batch: 1029575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323250-1	7A1_2-3	Total/NA	Solid	8260D	1029316
460-323250-2	7A1_3-4	Total/NA	Solid	8260D	1029316
MB 460-1029575/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1029575/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1029575/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1029670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323250-3	7A1_6-7	Total/NA	Solid	8260D	1029316
460-323250-4	7A2_1-2	Total/NA	Solid	8260D	1029316
460-323250-9	7B1_4-5	Total/NA	Solid	8260D	1029316
460-323250-10	7B2_0-1	Total/NA	Solid	8260D	1029316
460-323250-13	7B3_3-4	Total/NA	Solid	8260D	1029316
460-323250-14	7B3_7-8	Total/NA	Solid	8260D	1029316
460-323250-15	7C1_0-1	Total/NA	Solid	8260D	1029316
460-323250-16	7C1_0-2	Total/NA	Solid	8260D	1029316
460-323250-17	7C2_0-1	Total/NA	Solid	8260D	1029316
460-323250-18	7C2_1-2	Total/NA	Solid	8260D	1029316
460-323250-19	7C3_0-1	Total/NA	Solid	8260D	1029316
460-323250-20	7C3_1-2	Total/NA	Solid	8260D	1029316
460-323250-21	7C3_3-4	Total/NA	Solid	8260D	1029316
460-323250-22	7D1_2-3	Total/NA	Solid	8260D	1029316
460-323250-23	7D1_5-6	Total/NA	Solid	8260D	1029316
460-323250-24	7D2_1-2	Total/NA	Solid	8260D	1029316

GC/MS VOA (Continued)

Analysis Batch: 1029670 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1029670/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1029670/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1029670/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1029765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323250-5	7A2_7-8	Total/NA	Solid	8260D	1029316
460-323250-6	7A3_2-3	Total/NA	Solid	8260D	1029316
460-323250-7	7A3_6-7	Total/NA	Solid	8260D	1029316
460-323250-8	7B1_0-1	Total/NA	Solid	8260D	1029316
460-323250-11	7B2_5-6	Total/NA	Solid	8260D	1029316
460-323250-12	7B2_8-9	Total/NA	Solid	8260D	1029316
MB 460-1029765/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1029765/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1029765/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1029464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323250-1	7A1_2-3	Total/NA	Solid	Moisture	
460-323250-2	7A1_3-4	Total/NA	Solid	Moisture	
460-323250-3	7A1_6-7	Total/NA	Solid	Moisture	
460-323250-4	7A2_1-2	Total/NA	Solid	Moisture	
460-323250-5	7A2_7-8	Total/NA	Solid	Moisture	
460-323250-6	7A3_2-3	Total/NA	Solid	Moisture	
460-323250-7	7A3_6-7	Total/NA	Solid	Moisture	
460-323250-8	7B1_0-1	Total/NA	Solid	Moisture	
460-323250-9	7B1_4-5	Total/NA	Solid	Moisture	
460-323250-10	7B2_0-1	Total/NA	Solid	Moisture	
460-323250-11	7B2_5-6	Total/NA	Solid	Moisture	
460-323250-12	7B2_8-9	Total/NA	Solid	Moisture	
460-323250-13	7B3_3-4	Total/NA	Solid	Moisture	
460-323250-14	7B3_7-8	Total/NA	Solid	Moisture	
460-323250-15	7C1_0-1	Total/NA	Solid	Moisture	
460-323250-16	7C1_0-2	Total/NA	Solid	Moisture	
460-323250-17	7C2_0-1	Total/NA	Solid	Moisture	
460-323250-18	7C2_1-2	Total/NA	Solid	Moisture	
460-323250-19	7C3_0-1	Total/NA	Solid	Moisture	
460-323250-20	7C3_1-2	Total/NA	Solid	Moisture	
460-323250-21	7C3_3-4	Total/NA	Solid	Moisture	
460-323250-22	7D1_2-3	Total/NA	Solid	Moisture	
460-323250-23	7D1_5-6	Total/NA	Solid	Moisture	
460-323250-24	7D2_1-2	Total/NA	Solid	Moisture	
460-323279-D-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323279-D-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323250-12 DU	7B2_8-9	Total/NA	Solid	Moisture	
460-323250-24 DU	7D2_1-2	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7A1_2-3
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7A1_2-3
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-1
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:44
Total/NA	Analysis	8260D		1	1029575	AAT	EET EDI	04/03/25 21:22

Client Sample ID: 7A1_3-4
Date Collected: 04/01/25 10:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7A1_3-4
Date Collected: 04/01/25 10:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-2
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:44
Total/NA	Analysis	8260D		1	1029575	AAT	EET EDI	04/03/25 21:46

Client Sample ID: 7A1_6-7
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7A1_6-7
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-3
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:44
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 16:56

Client Sample ID: 7A2_1-2
Date Collected: 04/01/25 10:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7A2_1-2
Date Collected: 04/01/25 10:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-4
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:45
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 17:20

Client Sample ID: 7A2_7-8
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7A2_7-8
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-5
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:45
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 21:52

Client Sample ID: 7A3_2-3
Date Collected: 04/01/25 10:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7A3_2-3
Date Collected: 04/01/25 10:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-6
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:46
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 22:17

Client Sample ID: 7A3_6-7
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7A3_6-7
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-7
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:46
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 22:42

Client Sample ID: 7B1_0-1
Date Collected: 04/01/25 10:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7B1_0-1
Date Collected: 04/01/25 10:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-8
Matrix: Solid
Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:46
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 23:07

Client Sample ID: 7B1_4-5
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7B1_4-5
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-9
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:47
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 10:18

Client Sample ID: 7B2_0-1
Date Collected: 04/01/25 10:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7B2_0-1
Date Collected: 04/01/25 10:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-10
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:47
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 10:43

Client Sample ID: 7B2_5-6
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7B2_5-6
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-11
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:48
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 21:03

Client Sample ID: 7B2_8-9
Date Collected: 04/01/25 10:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7B2_8-9
Date Collected: 04/01/25 10:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-12
Matrix: Solid
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:48
Total/NA	Analysis	8260D		1	1029765	AAT	EET EDI	04/04/25 21:27

Client Sample ID: 7B3_3-4
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7B3_3-4
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-13
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:49
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 11:57

Client Sample ID: 7B3_7-8
Date Collected: 04/01/25 11:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7B3_7-8
Date Collected: 04/01/25 11:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-14
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:49
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 12:22

Client Sample ID: 7C1_0-1
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7C1_0-1
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-15
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:49
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 12:47

Client Sample ID: 7C1_0-2
Date Collected: 04/01/25 11:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C1_0-2
Date Collected: 04/01/25 11:15
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-16
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:50
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 13:12

Client Sample ID: 7C2_0-1
Date Collected: 04/01/25 11:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7C2_0-1
Date Collected: 04/01/25 11:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-17
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:50
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 13:37

Client Sample ID: 7C2_1-2
Date Collected: 04/01/25 11:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7C2_1-2
Date Collected: 04/01/25 11:25
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-18
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:51
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 14:02

Client Sample ID: 7C3_0-1
Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7C3_0-1
Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-19
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:51
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 14:27

Client Sample ID: 7C3_1-2
Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7C3_1-2
Date Collected: 04/01/25 11:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-20
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:52
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 14:52

Client Sample ID: 7C3_3-4
Date Collected: 04/01/25 11:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7C3_3-4
Date Collected: 04/01/25 11:35
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-21
Matrix: Solid
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:52
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 15:17

Client Sample ID: 7D1_2-3
Date Collected: 04/01/25 11:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Client Sample ID: 7D1_2-3
Date Collected: 04/01/25 11:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-22
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:52
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 15:42

Client Sample ID: 7D1_5-6
Date Collected: 04/01/25 11:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7D1_5-6
Date Collected: 04/01/25 11:45
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-23
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:53
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 16:07

Client Sample ID: 7D2_1-2
Date Collected: 04/01/25 11:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7D2_1-2
Date Collected: 04/01/25 11:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323250-24
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:53
Total/NA	Analysis	8260D		1	1029670	AAT	EET EDI	04/04/25 16:32

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323250-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323250-1	7A1_2-3	Solid	04/01/25 10:00	04/01/25 19:10
460-323250-2	7A1_3-4	Solid	04/01/25 10:05	04/01/25 19:10
460-323250-3	7A1_6-7	Solid	04/01/25 10:10	04/01/25 19:10
460-323250-4	7A2_1-2	Solid	04/01/25 10:15	04/01/25 19:10
460-323250-5	7A2_7-8	Solid	04/01/25 10:20	04/01/25 19:10
460-323250-6	7A3_2-3	Solid	04/01/25 10:25	04/01/25 19:10
460-323250-7	7A3_6-7	Solid	04/01/25 10:30	04/01/25 19:10
460-323250-8	7B1_0-1	Solid	04/01/25 10:35	04/01/25 19:10
460-323250-9	7B1_4-5	Solid	04/01/25 10:40	04/01/25 19:10
460-323250-10	7B2_0-1	Solid	04/01/25 10:45	04/01/25 19:10
460-323250-11	7B2_5-6	Solid	04/01/25 10:50	04/01/25 19:10
460-323250-12	7B2_8-9	Solid	04/01/25 10:55	04/01/25 19:10
460-323250-13	7B3_3-4	Solid	04/01/25 11:00	04/01/25 19:10
460-323250-14	7B3_7-8	Solid	04/01/25 11:05	04/01/25 19:10
460-323250-15	7C1_0-1	Solid	04/01/25 11:10	04/01/25 19:10
460-323250-16	7C1_0-2	Solid	04/01/25 11:15	04/01/25 19:10
460-323250-17	7C2_0-1	Solid	04/01/25 11:20	04/01/25 19:10
460-323250-18	7C2_1-2	Solid	04/01/25 11:25	04/01/25 19:10
460-323250-19	7C3_0-1	Solid	04/01/25 11:30	04/01/25 19:10
460-323250-20	7C3_1-2	Solid	04/01/25 11:30	04/01/25 19:10
460-323250-21	7C3_3-4	Solid	04/01/25 11:35	04/01/25 19:10
460-323250-22	7D1_2-3	Solid	04/01/25 11:40	04/01/25 19:10
460-323250-23	7D1_5-6	Solid	04/01/25 11:45	04/01/25 19:10
460-323250-24	7D2_1-2	Solid	04/01/25 11:50	04/01/25 19:10

Chain of Custody Record

688336

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323250 TAL-8210

Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Thomas Giordano	Site Contact:	Date:	COC No:
Company Name: HRA of NY	Tel/Email	Lab Contact:	Carrier:	of COCs
Address: 213 W 35th Street	Analysis Turnaround Time			
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			
Phone: tgiordano@haleyaldrich.com	TAT if different from Below _____			
Fax: sbell@haleyaldrich.com	☐ 2 weeks			
Project Name: Former PoA Mobil	☒ 1 week			
Site: 4101 Arthur Kill Road	☐ 2 days			
PO# 0205988-000-006-02	☐ 1 day			

460-323250 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL VOCs	Sample Specific Notes:
TA1_2-3	4/1/25	1000	G	S-1	4			X	1
TA1_3-4		1005							2
TA1_6-7		1010							3
TA2_1-2		1015							4
TA2_7-8		1020							5
TA3_2-3		1025							6
TA3_6-7		1030							7
TB1_0-1		1035							8
TB1_4-5		1040							9
TB2_0-1		1045							10
TB2_5-6		1050							11
TB2_8-9		1055							12

SHORT HOLD

Preservation Used: 1= Ice, 2= HCl; 3= HZSO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	HRA of NY	4/1/25	Received by:	EEC	4-1-25 1430
Relinquished by:	EEC	4/1/25 1915	Received by:	EGT6	4/1/25 1900
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

NCN 1884 1 C//4

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4/7/2025

Chain of Custody Record

688337

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323250

TAL-8210

Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager	Site Contact:	Date:	COC No:
Company Name: HBD & M	Tel/Email	Lab Contact:	Carrier:	____ of ____ COCs
Address: 213 W 35th Street	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: tgordano@hinckleyallbrich.com	TAT if different from Below ____			Walk-in Client:
Fax: shall@hinckleyallbrich.com	☐ 2 weeks			Lab Sampling:
Project Name: Former Port Morris	☒ 1 week			
Site: 410 Arthur Kill Road	☐ 2 days			Job / SDG No.
P O # 0208486-000-000-02	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCL VOCs	Sample Specific Notes:
TB3_3-4	4/11/25	1100	G	Soil	4			X	13
TB3 7-8		1105							14
TC1_0-1		1110							15
TC1_0 2		1115							16
TC2_0 1		1120							17
TC2_1-2		1125							18
TC3_0		1130							19
TC3_1-2		1130							20
TC3_3-4		1135							21
TD1_2 3		1140							22
TD1_5-6		1145							23
TD2_1-2		1150							24

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.		Cooler Temp (°C): Obs'd._____ Corr'd _____		Therm ID No._____
Relinquished by:	Company: HBD	Date/Time: 4/11/25 1630	Received by:	Company: ECS	Date/Time: 4/12 14:30
Relinquished by:	Company: ECS	Date/Time: 4-12-25 19:10	Received by:	Company: ECS	Date/Time: 4/12/25 1910
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

NCS 10443 1.0/14

4/7/2025

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 323250

Number of Coolers: _____ IR Gun # 89

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	℃	℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials _____ Date: 4/1/25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323250-1

Login Number: 323250
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/7/2025 10:15:48 AM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323251-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/7/2025 10:15:48 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323251-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/1/2025 7:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples 7D2_7-8 (460-323251-1), 7D2_9-10 (460-323251-2), 7D3_4-5 (460-323251-3) and 7D3_7-8 (460-323251-4) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 4/2/2025 and analyzed on 4/3/2025.

Method Moisture - Percent Moisture
Samples 7D2_7-8 (460-323251-1), 7D2_9-10 (460-323251-2), 7D3_4-5 (460-323251-3) and 7D3_7-8 (460-323251-4) were analyzed for Percent Moisture. The samples were analyzed on 4/3/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Client Sample ID: 7D2_7-8 — Lab Sample ID: 460-323251-1

No Detections.

Client Sample ID: 7D2_9-10 — Lab Sample ID: 460-323251-2

No Detections.

Client Sample ID: 7D3_4-5 — Lab Sample ID: 460-323251-3

No Detections.

Client Sample ID: 7D3_7-8 — Lab Sample ID: 460-323251-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Client Sample ID: 7D2_7-8
Date Collected: 04/01/25 11:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-1
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00058	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00071	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00040	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Acetone	0.0057	U	0.0057	0.0055	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Benzene	0.00096	U	0.00096	0.00054	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Carbon disulfide	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chlorobenzene	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chlorobromomethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chlorodibromomethane	0.00096	U	0.00096	0.00051	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Ethylene Dibromide	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00040	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
N-Propylbenzene	0.00096	U	0.00096	0.00043	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
o-Xylene	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1

Client Sample ID: 7D2_7-8

Date Collected: 04/01/25 11:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-1
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Vinyl chloride	0.00096	U	0.00096	0.00052	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/02/25 13:54	04/03/25 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/02/25 13:54*	*04/03/25 13:00*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/02/25 13:54*	*04/03/25 13:00*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/02/25 13:54*	*04/03/25 13:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/02/25 13:54*	*04/03/25 13:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7D2_9-10

Date Collected: 04/01/25 12:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-2
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1

Client Sample ID: 7D2_9-10
Date Collected: 04/01/25 12:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-2
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Methyl acetate	0.0052	U	0.0052	0.0044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/02/25 13:54	04/03/25 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/02/25 13:54*	*04/03/25 13:24*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/02/25 13:54*	*04/03/25 13:24*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*04/02/25 13:54*	*04/03/25 13:24*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/02/25 13:54*	*04/03/25 13:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.6**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**88.4**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7D3_4-5
Date Collected: 04/01/25 12:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-3
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chlorobromomethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chlorodibromomethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
o-Xylene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1

Client Sample ID: 7D3_4-5

Date Collected: 04/01/25 12:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-3

Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/02/25 13:55	04/03/25 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/02/25 13:55*	*04/03/25 13:47*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/02/25 13:55*	*04/03/25 13:47*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/02/25 13:55*	*04/03/25 13:47*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/02/25 13:55*	*04/03/25 13:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**15.1**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**84.9**		1.0	1.0	%			04/03/25 07:26	1

Client Sample ID: 7D3_7-8

Date Collected: 04/01/25 12:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-4

Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00049	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00061	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2,4-Trimethylbenzene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Acetone	0.0050	U	0.0050	0.0047	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1

Client Sample ID: 7D3_7-8
Date Collected: 04/01/25 12:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-4
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chlorobromomethane	0.00083	U	0.00083	0.00049	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chlorodibromomethane	0.00083	U	0.00083	0.00044	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chloroform	0.00083	U	0.00083	0.00080	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Methyl acetate	0.0041	U	0.0041	0.0036	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Methylcyclohexane	0.00083	U	0.00083	0.00041	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Methylene Chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
m-Xylene & p-Xylene	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
n-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
sec-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
tert-Butylbenzene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Toluene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Vinyl chloride	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1
Xylenes, Total	0.0017	U	0.0017	0.00014	mg/Kg	☼	04/02/25 13:55	04/03/25 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/02/25 13:55*	*04/03/25 14:11*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/02/25 13:55*	*04/03/25 14:11*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/02/25 13:55*	*04/03/25 14:11*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/02/25 13:55*	*04/03/25 14:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/03/25 07:26	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/03/25 07:26	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323251-1	7D2_7-8	101	105	98	96
460-323251-2	7D2_9-10	103	105	103	99
460-323251-3	7D3_4-5	100	107	101	98
460-323251-4	7D3_7-8	101	101	99	98
LCS 460-1029444/3	Lab Control Sample	92	100	93	96
LCSD 460-1029444/4	Lab Control Sample Dup	92	102	94	95
MB 460-1029444/7	Method Blank	94	102	95	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1029444/7
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 09:27	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 09:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/03/25 09:27	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 09:27	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 09:27	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 09:27	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/03/25 09:27	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 09:27	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/03/25 09:27	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/03/25 09:27	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 09:27	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/03/25 09:27	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/03/25 09:27	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/03/25 09:27	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/03/25 09:27	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 09:27	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/03/25 09:27	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/03/25 09:27	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/03/25 09:27	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/03/25 09:27	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/03/25 09:27	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/03/25 09:27	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/03/25 09:27	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 09:27	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/03/25 09:27	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/03/25 09:27	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/03/25 09:27	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/03/25 09:27	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/03/25 09:27	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/03/25 09:27	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/03/25 09:27	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/03/25 09:27	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 09:27	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/03/25 09:27	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/03/25 09:27	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/03/25 09:27	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/03/25 09:27	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/03/25 09:27	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 09:27	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/03/25 09:27	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/03/25 09:27	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/03/25 09:27	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/03/25 09:27	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/03/25 09:27	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 09:27	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/03/25 09:27	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/03/25 09:27	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/03/25 09:27	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1029444/7
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/03/25 09:27	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/03/25 09:27	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/03/25 09:27	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/03/25 09:27	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/03/25 09:27	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/03/25 09:27	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/03/25 09:27	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/03/25 09:27	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/03/25 09:27	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/03/25 09:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*		*04/03/25 09:27*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*		*04/03/25 09:27*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*		*04/03/25 09:27*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*04/03/25 09:27*	*1*

Lab Sample ID: LCS 460-1029444/3
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0194		mg/Kg		97	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0199		mg/Kg		100	75 - 121
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		93	80 - 120
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	72 - 120
1,1-Dichloroethene	0.0200	0.0201		mg/Kg		100	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0212		mg/Kg		106	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0212		mg/Kg		106	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0197		mg/Kg		99	80 - 124
1,2-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
1,2-Dichloroethane	0.0200	0.0194		mg/Kg		97	70 - 123
1,2-Dichloropropane	0.0200	0.0182		mg/Kg		91	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	70 - 120
1,3-Dichlorobenzene	0.0200	0.0207		mg/Kg		103	80 - 120
1,4-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
2-Butanone (MEK)	0.100	0.0954		mg/Kg		95	64 - 128
2-Hexanone	0.100	0.0994		mg/Kg		99	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0985		mg/Kg		99	80 - 120
Acetone	0.100	0.0876		mg/Kg		88	58 - 122
Benzene	0.0200	0.0197		mg/Kg		99	75 - 120
Bromoform	0.0200	0.0203		mg/Kg		101	61 - 125
Bromomethane	0.0200	0.0181		mg/Kg		90	37 - 150
Carbon disulfide	0.0200	0.0246		mg/Kg		123	57 - 133
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	66 - 127
Chlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1029444/3
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0191		mg/Kg		96	76 - 127
Chlorodibromomethane	0.0200	0.0188		mg/Kg		94	72 - 120
Chloroethane	0.0200	0.0191		mg/Kg		96	60 - 123
Chloroform	0.0200	0.0191		mg/Kg		95	79 - 126
Chloromethane	0.0200	0.0190		mg/Kg		95	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0199		mg/Kg		100	75 - 120
Cyclohexane	0.0200	0.0212		mg/Kg		106	65 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0173		mg/Kg		86	45 - 129
Ethylbenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Ethylene Dibromide	0.0200	0.0202		mg/Kg		101	79 - 120
Isopropylbenzene	0.0200	0.0207		mg/Kg		104	74 - 120
Methyl acetate	0.0400	0.0397		mg/Kg		99	57 - 120
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		94	74 - 125
Methylcyclohexane	0.0200	0.0214		mg/Kg		107	66 - 125
Methylene Chloride	0.0200	0.0192		mg/Kg		96	78 - 120
m-Xylene & p-Xylene	0.0200	0.0202		mg/Kg		101	80 - 120
n-Butylbenzene	0.0200	0.0206		mg/Kg		103	72 - 120
N-Propylbenzene	0.0200	0.0211		mg/Kg		105	68 - 120
o-Xylene	0.0200	0.0200		mg/Kg		100	80 - 120
sec-Butylbenzene	0.0200	0.0215		mg/Kg		107	78 - 120
Styrene	0.0200	0.0205		mg/Kg		102	80 - 120
tert-Butylbenzene	0.0200	0.0205		mg/Kg		102	80 - 120
Tetrachloroethene	0.0200	0.0211		mg/Kg		106	73 - 120
Toluene	0.0200	0.0195		mg/Kg		98	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		98	77 - 120
Trichloroethene	0.0200	0.0194		mg/Kg		97	80 - 120
Trichlorofluoromethane	0.0200	0.0190		mg/Kg		95	61 - 130
Vinyl chloride	0.0200	0.0196		mg/Kg		98	54 - 122
Xylenes, Total	0.0400	0.0402		mg/Kg		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*96*		*71 - 126*

Lab Sample ID: LCSD 460-1029444/4
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0194		mg/Kg		97	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0197		mg/Kg		98	70 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0207		mg/Kg		103	75 - 121	4	30
1,1,2-Trichloroethane	0.0200	0.0191		mg/Kg		96	80 - 120	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029444/4
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0191		mg/Kg		95	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	76 - 120	5	30
1,2,3-Trichlorobenzene	0.0200	0.0213		mg/Kg		107	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0219		mg/Kg		110	77 - 136	2	30
1,2,4-Trimethylbenzene	0.0200	0.0217		mg/Kg		108	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0197		mg/Kg		99	80 - 124	0	30
1,2-Dichlorobenzene	0.0200	0.0209		mg/Kg		105	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123	1	30
1,2-Dichloropropane	0.0200	0.0188		mg/Kg		94	73 - 124	3	30
1,3,5-Trimethylbenzene	0.0200	0.0212		mg/Kg		106	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120	1	30
1,4-Dichlorobenzene	0.0200	0.0209		mg/Kg		104	80 - 120	4	30
2-Butanone (MEK)	0.100	0.0911		mg/Kg		91	64 - 128	5	30
2-Hexanone	0.100	0.102		mg/Kg		102	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.101		mg/Kg		101	80 - 120	2	30
Acetone	0.100	0.0934		mg/Kg		93	58 - 122	6	30
Benzene	0.0200	0.0200		mg/Kg		100	75 - 120	1	30
Bromoform	0.0200	0.0197		mg/Kg		98	61 - 125	3	30
Bromomethane	0.0200	0.0182		mg/Kg		91	37 - 150	1	30
Carbon disulfide	0.0200	0.0243		mg/Kg		122	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0199		mg/Kg		100	66 - 127	1	30
Chlorobenzene	0.0200	0.0201		mg/Kg		101	80 - 120	2	30
Chlorobromomethane	0.0200	0.0193		mg/Kg		96	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0196		mg/Kg		98	72 - 120	4	30
Chloroethane	0.0200	0.0191		mg/Kg		96	60 - 123	0	30
Chloroform	0.0200	0.0187		mg/Kg		93	79 - 126	2	30
Chloromethane	0.0200	0.0180		mg/Kg		90	46 - 122	6	30
cis-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0196		mg/Kg		98	75 - 120	2	30
Cyclohexane	0.0200	0.0212		mg/Kg		106	65 - 132	0	30
Dichlorobromomethane	0.0200	0.0182		mg/Kg		91	77 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0162		mg/Kg		81	45 - 129	6	30
Ethylbenzene	0.0200	0.0202		mg/Kg		101	80 - 120	1	30
Ethylene Dibromide	0.0200	0.0193		mg/Kg		97	79 - 120	5	30
Isopropylbenzene	0.0200	0.0207		mg/Kg		104	74 - 120	0	30
Methyl acetate	0.0400	0.0414		mg/Kg		103	57 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0184		mg/Kg		92	74 - 125	3	30
Methylcyclohexane	0.0200	0.0213		mg/Kg		106	66 - 125	0	30
Methylene Chloride	0.0200	0.0186		mg/Kg		93	78 - 120	3	30
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		101	80 - 120	0	30
n-Butylbenzene	0.0200	0.0213		mg/Kg		106	72 - 120	3	30
N-Propylbenzene	0.0200	0.0214		mg/Kg		107	68 - 120	1	30
o-Xylene	0.0200	0.0204		mg/Kg		102	80 - 120	2	30
sec-Butylbenzene	0.0200	0.0220		mg/Kg		110	78 - 120	2	30
Styrene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
tert-Butylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120	1	30
Tetrachloroethene	0.0200	0.0209		mg/Kg		105	73 - 120	1	30
Toluene	0.0200	0.0196		mg/Kg		98	80 - 120	0	30
trans-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	78 - 120	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1029444/4
Matrix: Solid
Analysis Batch: 1029444

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0198		mg/Kg		99	77 - 120	1	30
Trichloroethene			0.0200	0.0192		mg/Kg		96	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0185		mg/Kg		93	61 - 130	3	30
Vinyl chloride			0.0200	0.0183		mg/Kg		92	54 - 122	7	30
Xylenes, Total			0.0400	0.0406		mg/Kg		101	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*94*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323250-A-12 DU
Matrix: Solid
Analysis Batch: 1029464

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.1			9.2		%				13	20
Percent Solids	91.9			90.8		%				1	20

Lab Sample ID: 460-323342-A-1 DU
Matrix: Solid
Analysis Batch: 1029464

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	11.1			11.0		%				1	20
Percent Solids	88.9			89.0		%				0.1	20

Lab Sample ID: 460-323342-A-13 DU
Matrix: Solid
Analysis Batch: 1029464

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	1.6			4.6	*	%				96	20
Percent Solids	98.4			95.4		%				3	20

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

GC/MS VOA

Prep Batch: 1029316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323251-1	7D2_7-8	Total/NA	Solid	5035	
460-323251-2	7D2_9-10	Total/NA	Solid	5035	
460-323251-3	7D3_4-5	Total/NA	Solid	5035	
460-323251-4	7D3_7-8	Total/NA	Solid	5035	

Analysis Batch: 1029444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323251-1	7D2_7-8	Total/NA	Solid	8260D	1029316
460-323251-2	7D2_9-10	Total/NA	Solid	8260D	1029316
460-323251-3	7D3_4-5	Total/NA	Solid	8260D	1029316
460-323251-4	7D3_7-8	Total/NA	Solid	8260D	1029316
MB 460-1029444/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1029444/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1029444/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1029464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323251-1	7D2_7-8	Total/NA	Solid	Moisture	
460-323251-2	7D2_9-10	Total/NA	Solid	Moisture	
460-323251-3	7D3_4-5	Total/NA	Solid	Moisture	
460-323251-4	7D3_7-8	Total/NA	Solid	Moisture	
460-323279-D-3 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323279-D-3 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323250-A-12 DU	Duplicate	Total/NA	Solid	Moisture	
460-323342-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
460-323342-A-13 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Client Sample ID: 7D2_7-8
Date Collected: 04/01/25 11:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7D2_7-8
Date Collected: 04/01/25 11:55
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-1
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:54
Total/NA	Analysis	8260D		1	1029444	AAT	EET EDI	04/03/25 13:00

Client Sample ID: 7D2_9-10
Date Collected: 04/01/25 12:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7D2_9-10
Date Collected: 04/01/25 12:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-2
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:54
Total/NA	Analysis	8260D		1	1029444	AAT	EET EDI	04/03/25 13:24

Client Sample ID: 7D3_4-5
Date Collected: 04/01/25 12:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Client Sample ID: 7D3_4-5
Date Collected: 04/01/25 12:05
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-3
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:55
Total/NA	Analysis	8260D		1	1029444	AAT	EET EDI	04/03/25 13:47

Client Sample ID: 7D3_7-8
Date Collected: 04/01/25 12:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029464	DAN	EET EDI	04/03/25 07:26

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Client Sample ID: 7D3_7-8

Date Collected: 04/01/25 12:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323251-4

Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029316	EMM	EET EDI	04/02/25 13:55
Total/NA	Analysis	8260D		1	1029444	AAT	EET EDI	04/03/25 14:11

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323251-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323251-1	7D2_7-8	Solid	04/01/25 11:55	04/01/25 19:10
460-323251-2	7D2_9-10	Solid	04/01/25 12:00	04/01/25 19:10
460-323251-3	7D3_4-5	Solid	04/01/25 12:05	04/01/25 19:10
460-323251-4	7D3_7-8	Solid	04/01/25 12:10	04/01/25 19:10

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-186992-122443.1
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323251
Address: 213 West 35th St	Due Date Requested:			Preservation Codes:
City: New York	TAT Requested (days):			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgordano@haleyaldrich.com	PO #: 206 02 0208988-000-00X05			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

460-323251 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633-1633-Standard-List-of-40-SI	TCL VOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N				
~~TD2~~ TD2_7-8	4/1/25	1155	G	Solid				X		1
TD2 9-10		1200		Solid				X		2
TD3-4-5		1205		Solid				X		3
TD3-7-8		1210		Solid				X		4
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	H&A 4/1/25			4/2/25 14:30	CHE
Relinquished by:	Date/Time: 4-1-25 19:10	Company	Received by:	Date/Time: 4/1/25 1900	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: NC 05	Cooler Temperature(s) °C and Other Remarks: 1.1 IR51 C/F

Ver 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 32225

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0°C	1.1°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below*

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038 Rev 4.1
10/22/2019

Initials: [illegible] Date: 4-1-25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323251-1

Login Number: 323251
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/8/2025 3:25:07 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323252-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/8/2025 3:25:07 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323252-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/1/2025 7:10 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 4/2/2025 and analyzed on 4/3/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1029460 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 4/2/2025 and analyzed on 4/3/2025.

Method 8081B - Organochlorine Pesticides (GC)
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 4/2/2025 and analyzed on 4/3/2025.

The continuing calibration verification (CCV) associated with batch 460-1029428 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 460-1029428/3).

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 4/3/2025 and analyzed on 4/4/2025.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the low-level laboratory control sample (LLCS) and the laboratory control sample (LCS) associated with prep batch 240-650801. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The LLCS and LCS recovered within limits for associated target analyte(s), therefore, the associated samples are reported. The following samples are affected:7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7), 7D_5-10 (460-323252-8), (LCS 240-650801/3-A), (LLCS 240-650801/2-A), (480-228410-A-2-A) and (480-228410-A-2-B DU).

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: 7A_0-5 (460-323252-1), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4) and (480-228410-A-2-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Job ID: 460-323252-1 (Continued) Eurofins Edison

Method 6020B - Metals (ICP/MS)
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Metals (ICP/MS). The samples were prepared on 4/3/2025 and analyzed on 4/4/2025.

Method 7471B - Mercury (CVAA)
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 4/7/2025.

Method Moisture - Percent Moisture
Samples 7A_0-5 (460-323252-1), 7A_5-10 (460-323252-2), 7B_0-5 (460-323252-3), 7B_5-10 (460-323252-4), 7C_0-2 (460-323252-5), 7C_2-4 (460-323252-6), 7D_0-5 (460-323252-7) and 7D_5-10 (460-323252-8) were analyzed for Percent Moisture. The samples were analyzed on 4/3/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7A_0-5 — Lab Sample ID: 460-323252-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.054	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.24		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.051	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.043	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	7920		20.6	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.20	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.1		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	73.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.59		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Calcium	2090		103	42.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.7		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	26.6		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19200		61.9	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	37.2		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3360		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	380		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.7		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1530		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Sodium	99.8	J	103	47.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	55.5		8.3	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.014	J	0.018	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7A_5-10 — Lab Sample ID: 460-323252-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.049	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.077	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.073	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8810		21.4	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.27	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	83.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.67		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Calcium	1910		107	43.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.6		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	26.4		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	20900		64.3	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	30.3		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3570		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	398		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.0		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1620		107	17.4	mg/Kg	1	☼	6020B	Total/NA
Sodium	77.6	J	107	49.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.15	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	53.7		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7B_0-5

Lab Sample ID: 460-323252-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.040	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.037	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.048	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.19		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.32		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.29		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.42		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.47		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.094	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.036	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.71		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7340		21.0	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.88	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.6		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	95.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.9		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.23	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2350		105	42.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	70.7		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	32.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	260		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	26800		62.9	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	446		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2330		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	259		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	158		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1090		105	17.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	1.5		1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.30	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	168		105	47.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.083	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.1		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	768		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.020		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7B_5-10

Lab Sample ID: 460-323252-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.036	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.048	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.57		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.78		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.37		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.71		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.090	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.045	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.42	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	5200		20.6	5.6	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 7B_5-10 (Continued)

Lab Sample ID: 460-323252-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.75	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.4		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	36.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.64		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	969		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.5		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	49.3		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	17500		61.7	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	101		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1520		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	181		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.8		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	944		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.16	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.065	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	162		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.027		0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7C_0-2

Lab Sample ID: 460-323252-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	0.085	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.48		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.66		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.99		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.76		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.71		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.23		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.27	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.48		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8570		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	51.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.79		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.21	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1190		104	42.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	33.7		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	64.9		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21300		62.4	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	115		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2410		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	238		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	39.3		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1140		104	16.8	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 7C_0-2 (Continued) — Lab Sample ID: 460-323252-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.68	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	70.7	J	104	47.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	33.5		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	150		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.013	J	0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7C_2-4 — Lab Sample ID: 460-323252-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.077	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.20		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.68		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.59		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.91		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.65		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.19		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	1.51		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.87		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8900		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.78	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	63.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.74		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1820		103	41.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	26.3		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	64.1		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21000		61.6	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	115		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2970		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	239		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	38.6		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1350		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.39	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.20	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	77.3	J	103	46.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	154		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.016	J	0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7D_0-5 — Lab Sample ID: 460-323252-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.064	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 7D_0-5 (Continued)

Lab Sample ID: 460-323252-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.051	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.45		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.062	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.048	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.081	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	9810		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.31	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.2		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	77.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.79		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.13	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1450		103	41.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.2		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	29.6		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21600		61.6	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	17.2		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3500		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	348		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	22.5		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1640		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.18	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	68.1	J	103	46.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.16	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	31.4		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	52.2		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.021		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 7D_5-10

Lab Sample ID: 460-323252-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.040	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.040	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.26		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.084	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.042	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.070	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8550		21.1	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.32	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.6		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	59.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.57		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.14	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	888		106	43.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.1		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.0		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 7D_5-10 (Continued)

Lab Sample ID: 460-323252-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	29.3		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	16500		63.4	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	25.9		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2680		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	320		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.2		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1080		106	17.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	56.3	J	106	48.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	72.0		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.012	J	0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
2-Nitrophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Nitroaniline	0.38	U	0.38	0.098	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Atrazine	0.15	U	0.15	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzaldehyde	0.38	U	0.38	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzo[b]fluoranthene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Naphthalene	0.38	U	0.38	0.0067	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1
Pyrene	0.38	U	0.38	0.0096	mg/Kg	☼	04/02/25 20:41	04/03/25 09:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*	*04/02/25 20:41*	*04/03/25 09:20*	*1*
2-Fluorobiphenyl	*77*		*38 - 128*	*04/02/25 20:41*	*04/03/25 09:20*	*1*
2-Fluorophenol (Surr)	*68*		*31 - 133*	*04/02/25 20:41*	*04/03/25 09:20*	*1*
Nitrobenzene-d5 (Surr)	*72*		*31 - 120*	*04/02/25 20:41*	*04/03/25 09:20*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*04/02/25 20:41*	*04/03/25 09:20*	*1*
Terphenyl-d14 (Surr)	*84*		*44 - 147*	*04/02/25 20:41*	*04/03/25 09:20*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 09:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:27*	*1*
DCB Decachlorobiphenyl	*91*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:27*	*1*
Tetrachloro-m-xylene	*131*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:27*	*1*
Tetrachloro-m-xylene	*130*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*20 - 150*	*04/02/25 18:21*	*04/03/25 20:55*	*1*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*04/02/25 18:21*	*04/03/25 20:55*	*1*
Tetrachloro-m-xylene	*140*		*20 - 150*	*04/02/25 18:21*	*04/03/25 20:55*	*1*
Tetrachloro-m-xylene	*135*		*20 - 150*	*04/02/25 18:21*	*04/03/25 20:55*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorononanoic acid (PFNA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorodecanoic acid (PFDA)	**0.054**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoroundecanoic acid (PFUnA)	**0.24**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorotridecanoic acid (PFTrDA)	**0.051**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorooctanesulfonic acid (PFOS)	**0.043**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid
Percent Solids: 88.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 19:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*84.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C5 PFPeA	*86.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C5 PFHxA	*79.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C4 PFHpA	*96.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C8 PFOA	*78.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C9 PFNA	*86.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C6 PFDA	*88.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C7 PFUnA	*153*	*	*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*
13C2 PFTeDA	*64.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:51*	*1*

Client Sample ID: 7A_0-5

Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1

Matrix: Solid
Percent Solids: 88.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	87.3		20 - 150	04/03/25 14:48	04/04/25 19:51	1
13C3 PFHxS	72.0		20 - 150	04/03/25 14:48	04/04/25 19:51	1
13C8 PFOS	77.2		20 - 150	04/03/25 14:48	04/04/25 19:51	1
13C8 FOSA	79.6		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d3-NMeFOSAA	78.9		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d5-NEtFOSAA	80.5		20 - 150	04/03/25 14:48	04/04/25 19:51	1
M2-4:2 FTS	83.2		20 - 150	04/03/25 14:48	04/04/25 19:51	1
M2-6:2 FTS	79.0		20 - 150	04/03/25 14:48	04/04/25 19:51	1
M2-8:2 FTS	79.6		20 - 150	04/03/25 14:48	04/04/25 19:51	1
13C3 HFPO-DA	86.0		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d7-N-MeFOSE-M	68.1		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d9-N-EtFOSE-M	60.7		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d5-NEtPFOSA	67.2		20 - 150	04/03/25 14:48	04/04/25 19:51	1
d3-NMePFOSA	80.4		20 - 150	04/03/25 14:48	04/04/25 19:51	1
13C2-PFDoDA	84.7		20 - 150	04/03/25 14:48	04/04/25 19:51	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7920		20.6	5.7	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Antimony	0.20	J	1.0	0.15	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Arsenic	5.1		1.0	0.11	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Barium	73.7		2.1	0.15	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Beryllium	0.59		0.41	0.059	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Cadmium	1.0	U	1.0	0.12	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Calcium	2090		103	42.0	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Chromium	20.7		2.1	0.94	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Cobalt	8.3		2.1	0.15	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Copper	26.6		2.1	0.38	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Iron	19200		61.9	20.8	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Lead	37.2		0.62	0.21	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Magnesium	3360		103	10.5	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Manganese	380		4.1	0.42	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Nickel	16.7		2.1	0.48	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Potassium	1530		103	16.7	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Silver	0.41	U	0.41	0.092	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Sodium	99.8	J	103	47.1	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Thallium	0.13	J	0.41	0.042	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Vanadium	24.0		2.1	0.21	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1
Zinc	55.5		8.3	3.1	mg/Kg	☼	04/03/25 07:06	04/04/25 14:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0087	mg/Kg	☼	04/07/25 00:52	04/07/25 04:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.1		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	88.9		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4-Dimethylphenol	0.39	U	0.39	0.047	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Chloronaphthalene	0.39	U	0.39	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
3-Nitroaniline	0.39	U	0.39	0.093	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Nitroaniline	0.39	U	0.39	0.099	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
4-Nitrophenol	0.79	U	0.79	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzaldehyde	0.39	U	0.39	0.065	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzo[a]anthracene	0.039	U	0.039	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0077	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.072	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Chrysene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Naphthalene	0.39	U	0.39	0.0068	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Phenanthrene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1
Pyrene	0.39	U	0.39	0.0097	mg/Kg	☼	04/02/25 20:41	04/03/25 09:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*04/02/25 20:41*	*04/03/25 09:42*	*1*
2-Fluorobiphenyl	*73*		*38 - 128*	*04/02/25 20:41*	*04/03/25 09:42*	*1*
2-Fluorophenol (Surr)	*66*		*31 - 133*	*04/02/25 20:41*	*04/03/25 09:42*	*1*
Nitrobenzene-d5 (Surr)	*69*		*31 - 120*	*04/02/25 20:41*	*04/03/25 09:42*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*04/02/25 20:41*	*04/03/25 09:42*	*1*
Terphenyl-d14 (Surr)	*82*		*44 - 147*	*04/02/25 20:41*	*04/03/25 09:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/02/25 18:36	04/03/25 09:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:40*	*1*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:40*	*1*
Tetrachloro-m-xylene	*135*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:40*	*1*
Tetrachloro-m-xylene	*134*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:11*	*1*
DCB Decachlorobiphenyl	*99*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:11*	*1*
Tetrachloro-m-xylene	*131*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:11*	*1*
Tetrachloro-m-xylene	*128*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:11*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorononanoic acid (PFNA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorodecanoic acid (PFDA)	**0.049**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoroundecanoic acid (PFUnA)	**0.077**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorotridecanoic acid (PFTrDA)	**0.073**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 20:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C5 PFHxA	*86.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C8 PFOA	*83.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C9 PFNA	*88.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C6 PFDA	*88.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C7 PFUnA	*146*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*
13C2 PFTeDA	*64.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:07*	*1*

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	90.4		20 - 150	04/03/25 14:48	04/04/25 20:07	1
13C3 PFHxS	73.1		20 - 150	04/03/25 14:48	04/04/25 20:07	1
13C8 PFOS	79.1		20 - 150	04/03/25 14:48	04/04/25 20:07	1
13C8 FOSA	81.6		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d3-NMeFOSAA	87.4		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d5-NEtFOSAA	87.6		20 - 150	04/03/25 14:48	04/04/25 20:07	1
M2-4:2 FTS	89.0		20 - 150	04/03/25 14:48	04/04/25 20:07	1
M2-6:2 FTS	84.0		20 - 150	04/03/25 14:48	04/04/25 20:07	1
M2-8:2 FTS	79.3		20 - 150	04/03/25 14:48	04/04/25 20:07	1
13C3 HFPO-DA	96.6		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d7-N-MeFOSE-M	63.3		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d9-N-EtFOSE-M	53.9		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d5-NEtPFOSA	65.5		20 - 150	04/03/25 14:48	04/04/25 20:07	1
d3-NMePFOSA	76.6		20 - 150	04/03/25 14:48	04/04/25 20:07	1
13C2-PFDoDA	78.1		20 - 150	04/03/25 14:48	04/04/25 20:07	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8810		21.4	5.9	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Antimony	0.27	J	1.1	0.16	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Arsenic	4.8		1.1	0.11	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Barium	83.3		2.1	0.16	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Beryllium	0.67		0.43	0.061	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Calcium	1910		107	43.6	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Chromium	20.6		2.1	0.97	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Cobalt	7.9		2.1	0.16	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Copper	26.4		2.1	0.39	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Iron	20900		64.3	21.7	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Lead	30.3		0.64	0.21	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Magnesium	3570		107	10.9	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Manganese	398		4.3	0.43	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Nickel	18.0		2.1	0.50	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Potassium	1620		107	17.4	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Selenium	1.3	U	1.3	0.14	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Silver	0.43	U	0.43	0.095	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Sodium	77.6	J	107	49.0	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Thallium	0.15	J	0.43	0.044	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Vanadium	26.4		2.1	0.22	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1
Zinc	53.7		8.6	3.3	mg/Kg	☼	04/03/25 07:06	04/04/25 14:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0081	mg/Kg	☼	04/07/25 00:52	04/07/25 04:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.8		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	87.2		1.0	1.0	%			04/03/25 09:08	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,4-Dinitrotoluene	0.078	U	0.078	0.042	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Chloronaphthalene	0.38	U	0.38	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
2-Nitrophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.058	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
3-Nitroaniline	0.38	U	0.38	0.092	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Nitroaniline	0.38	U	0.38	0.098	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzaldehyde	0.38	U	0.38	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzo[b]fluoranthene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0076	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Dimethyl phthalate	0.38	U	0.38	0.088	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Di-n-butyl phthalate	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Naphthalene	0.38	U	0.38	0.0067	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1
Pyrene	0.38	U	0.38	0.0096	mg/Kg	☼	04/02/25 20:41	04/03/25 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*04/02/25 20:41*	*04/03/25 10:04*	*1*
2-Fluorobiphenyl	*73*		*38 - 128*	*04/02/25 20:41*	*04/03/25 10:04*	*1*
2-Fluorophenol (Surr)	*64*		*31 - 133*	*04/02/25 20:41*	*04/03/25 10:04*	*1*
Nitrobenzene-d5 (Surr)	*67*		*31 - 120*	*04/02/25 20:41*	*04/03/25 10:04*	*1*
Phenol-d5 (Surr)	*69*		*35 - 132*	*04/02/25 20:41*	*04/03/25 10:04*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*04/02/25 20:41*	*04/03/25 10:04*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:52*	*1*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*04/02/25 18:36*	*04/03/25 09:52*	*1*
Tetrachloro-m-xylene	*129*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:52*	*1*
Tetrachloro-m-xylene	*126*		*21 - 150*	*04/02/25 18:36*	*04/03/25 09:52*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:28*	*1*
DCB Decachlorobiphenyl	*91*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:28*	*1*
Tetrachloro-m-xylene	*118*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:28*	*1*
Tetrachloro-m-xylene	*117*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:28*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoroheptanoic acid (PFHpA)	**0.037**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorooctanoic acid (PFOA)	**0.048**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorononanoic acid (PFNA)	**0.19**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorodecanoic acid (PFDA)	**0.32**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoroundecanoic acid (PFUnA)	**3.29**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorododecanoic acid (PFDoA)	**0.42**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorotridecanoic acid (PFTrDA)	**2.47**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorotetradecanoic acid (PFTeDA)	**0.094**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.036**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.71**		0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.50	U	3.50	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.50	U	3.50	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C5 PFPeA	*97.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C5 PFHxA	*86.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C4 PFHpA	*107*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C8 PFOA	*88.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C9 PFNA	*93.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*
13C6 PFDA	*94.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:24*	*1*

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	155	*	20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C2 PFTeDA	78.0		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C3 PFBS	95.3		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C3 PFHxS	79.2		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C8 PFOS	82.5		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C8 FOSA	83.0		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d3-NMeFOSAA	92.7		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d5-NEtFOSAA	94.4		20 - 150	04/03/25 14:48	04/04/25 20:24	1
M2-4:2 FTS	95.0		20 - 150	04/03/25 14:48	04/04/25 20:24	1
M2-6:2 FTS	89.5		20 - 150	04/03/25 14:48	04/04/25 20:24	1
M2-8:2 FTS	87.6		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C3 HFPO-DA	95.0		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d7-N-MeFOSE-M	55.7		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d9-N-EtFOSE-M	47.9		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d5-NEtPFOSA	72.4		20 - 150	04/03/25 14:48	04/04/25 20:24	1
d3-NMePFOSA	83.4		20 - 150	04/03/25 14:48	04/04/25 20:24	1
13C2-PFDoDA	87.9		20 - 150	04/03/25 14:48	04/04/25 20:24	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7340		21.0	5.8	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Antimony	0.88	J	1.0	0.15	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Arsenic	6.6		1.0	0.11	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Barium	95.6		2.1	0.15	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Beryllium	1.9		0.42	0.060	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Cadmium	0.23	J	1.0	0.12	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Calcium	2350		105	42.7	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Chromium	70.7		2.1	0.95	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Cobalt	32.3		2.1	0.16	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Copper	260		2.1	0.39	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Iron	26800		62.9	21.2	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Lead	446		0.63	0.21	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Magnesium	2330		105	10.7	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Manganese	259		4.2	0.42	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Nickel	158		2.1	0.49	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Potassium	1090		105	17.0	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Selenium	1.5		1.3	0.13	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Silver	0.30	J	0.42	0.093	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Sodium	168		105	47.9	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Thallium	0.083	J	0.42	0.043	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Vanadium	25.1		2.1	0.22	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1
Zinc	768		8.4	3.2	mg/Kg	☼	04/03/25 07:06	04/04/25 14:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0085	mg/Kg	☼	04/07/25 00:52	04/07/25 04:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.7		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7B_0-5

Lab Sample ID: 460-323252-3
Date Collected: 04/01/25 10:20
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.3

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	88.3		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7B_5-10

Lab Sample ID: 460-323252-4
Date Collected: 04/01/25 10:30
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4-Dimethylphenol	0.39	U	0.39	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Chloronaphthalene	0.39	U	0.39	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
3-Nitroaniline	0.39	U	0.39	0.092	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Nitroaniline	0.39	U	0.39	0.098	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzo[a]anthracene	0.039	U	0.039	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0076	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.072	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Chrysene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Phenanthrene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1
Pyrene	0.39	U	0.39	0.0097	mg/Kg	☼	04/02/25 20:41	04/03/25 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*04/02/25 20:41*	*04/03/25 10:26*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*04/02/25 20:41*	*04/03/25 10:26*	*1*
2-Fluorophenol (Surr)	*69*		*31 - 133*	*04/02/25 20:41*	*04/03/25 10:26*	*1*
Nitrobenzene-d5 (Surr)	*68*		*31 - 120*	*04/02/25 20:41*	*04/03/25 10:26*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*04/02/25 20:41*	*04/03/25 10:26*	*1*
Terphenyl-d14 (Surr)	*81*		*44 - 147*	*04/02/25 20:41*	*04/03/25 10:26*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 10:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:04*	*1*
DCB Decachlorobiphenyl	*80*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:04*	*1*
Tetrachloro-m-xylene	*117*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:04*	*1*
Tetrachloro-m-xylene	*118*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:04*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:45*	*1*
DCB Decachlorobiphenyl	*92*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:45*	*1*
Tetrachloro-m-xylene	*118*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:45*	*1*
Tetrachloro-m-xylene	*116*		*20 - 150*	*04/02/25 18:21*	*04/03/25 21:45*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorohexanoic acid (PFHxA)	**0.036**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoroheptanoic acid (PFHpA)	**0.048**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorooctanoic acid (PFOA)	**0.15**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorononanoic acid (PFNA)	**0.57**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorodecanoic acid (PFDA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoroundecanoic acid (PFUnA)	**0.78**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorododecanoic acid (PFDoA)	**0.37**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorotridecanoic acid (PFTrDA)	**1.71**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.090**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorooctanesulfonic acid (PFOS)	**0.045**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.42**	**J**	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:41	1

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid
Percent Solids: 88.4

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	95.7		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C5 PFPeA	98.2		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C5 PFHxA	89.2		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C4 PFHpA	104		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C8 PFOA	87.1		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C9 PFNA	93.0		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C6 PFDA	92.3		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C7 PFUnA	153	*	20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C2 PFTeDA	66.8		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C3 PFBS	94.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C3 PFHxS	78.2		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C8 PFOS	79.4		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C8 FOSA	79.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d3-NMeFOSAA	86.4		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d5-NEtFOSAA	86.6		20 - 150	04/03/25 14:48	04/04/25 20:41	1
M2-4:2 FTS	96.0		20 - 150	04/03/25 14:48	04/04/25 20:41	1
M2-6:2 FTS	91.3		20 - 150	04/03/25 14:48	04/04/25 20:41	1
M2-8:2 FTS	82.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C3 HFPO-DA	91.3		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d7-N-MeFOSE-M	66.4		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d9-N-EtFOSE-M	55.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d5-NEtPFOSA	64.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
d3-NMePFOSA	77.9		20 - 150	04/03/25 14:48	04/04/25 20:41	1
13C2-PFDoDA	83.7		20 - 150	04/03/25 14:48	04/04/25 20:41	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5200		20.6	5.6	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Antimony	0.75	J	1.0	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Arsenic	6.4		1.0	0.11	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Barium	36.6		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Beryllium	0.64		0.41	0.059	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Cadmium	0.16	J	1.0	0.12	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Calcium	969		103	41.9	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Chromium	13.5		2.1	0.93	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Cobalt	5.9		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Copper	49.3		2.1	0.38	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Iron	17500		61.7	20.8	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Lead	101		0.62	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Magnesium	1520		103	10.5	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Manganese	181		4.1	0.41	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Nickel	21.8		2.1	0.48	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Potassium	944		103	16.7	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Selenium	0.22	J	1.3	0.13	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Silver	0.16	J	0.41	0.092	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Sodium	103	U	103	47.0	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Thallium	0.065	J	0.41	0.042	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Vanadium	20.0		2.1	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1
Zinc	162		8.2	3.1	mg/Kg	☼	04/03/25 08:06	04/04/25 15:54	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7B_5-10

Lab Sample ID: 460-323252-4
Date Collected: 04/01/25 10:30
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.019	0.0091	mg/Kg	☼	04/07/25 00:52	04/07/25 04:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.6		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	88.4		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7C_0-2

Lab Sample ID: 460-323252-5
Date Collected: 04/01/25 10:40
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4-Dimethylphenol	0.39	U	0.39	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Chloronaphthalene	0.39	U	0.39	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Methylphenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
3-Nitroaniline	0.39	U	0.39	0.092	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Nitroaniline	0.39	U	0.39	0.098	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Benzo[a]anthracene	0.039	U	0.039	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1

Client Sample ID: 7C_0-2
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0076	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.072	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Caprolactam	0.39	U	0.39	0.060	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Chrysene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Phenanthrene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1
Pyrene	0.39	U	0.39	0.0097	mg/Kg	☼	04/02/25 20:41	04/03/25 10:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*24 - 137*	*04/02/25 20:41*	*04/03/25 10:48*	*1*
2-Fluorobiphenyl	*70*		*38 - 128*	*04/02/25 20:41*	*04/03/25 10:48*	*1*
2-Fluorophenol (Surr)	*64*		*31 - 133*	*04/02/25 20:41*	*04/03/25 10:48*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 120*	*04/02/25 20:41*	*04/03/25 10:48*	*1*
Phenol-d5 (Surr)	*67*		*35 - 132*	*04/02/25 20:41*	*04/03/25 10:48*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*04/02/25 20:41*	*04/03/25 10:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1

Client Sample ID: 7C_0-2
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:17*	*1*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:17*	*1*
Tetrachloro-m-xylene	*127*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:17*	*1*
Tetrachloro-m-xylene	*127*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:17*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:02*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:02*	*1*
Tetrachloro-m-xylene	*131*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:02*	*1*
Tetrachloro-m-xylene	*127*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:02*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorooctanoic acid (PFOA)	**0.085**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorononanoic acid (PFNA)	**0.48**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorodecanoic acid (PFDA)	**0.66**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoroundecanoic acid (PFUnA)	**2.99**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1

Client Sample ID: 7C_0-2
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5
Matrix: Solid
Percent Solids: 88.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.76**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorotridecanoic acid (PFTrDA)	**3.71**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorotetradecanoic acid (PFTeDA)	**0.23**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.27**	**J**	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**1.48**		0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1

Client Sample ID: 7C_0-2

Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5

Matrix: Solid
Percent Solids: 88.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 20:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C5 PFPeA	*87.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C5 PFHxA	*79.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C4 PFHpA	*99.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C8 PFOA	*79.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C9 PFNA	*87.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C6 PFDA	*92.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C7 PFUnA	*149*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C2 PFTeDA	*72.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C3 PFBS	*93.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C3 PFHxS	*74.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C8 PFOS	*82.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C8 FOSA	*83.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d3-NMeFOSAA	*89.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d5-NEtFOSAA	*90.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
M2-4:2 FTS	*84.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
M2-6:2 FTS	*88.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
M2-8:2 FTS	*85.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C3 HFPO-DA	*83.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d7-N-MeFOSE-M	*64.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d9-N-EtFOSE-M	*60.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d5-NEtPFOSA	*73.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
d3-NMePFOSA	*86.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*
13C2-PFDoDA	*85.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 20:57*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8570**		20.8	5.7	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Antimony	**1.1**		1.0	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Arsenic	**6.9**		1.0	0.11	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Barium	**51.3**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Beryllium	**0.79**		0.42	0.059	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Cadmium	**0.21**	**J**	1.0	0.12	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Calcium	**1190**		104	42.3	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Chromium	**33.7**		2.1	0.94	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Cobalt	**10.3**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Copper	**64.9**		2.1	0.38	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Iron	**21300**		62.4	21.0	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Lead	**115**		0.62	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Magnesium	**2410**		104	10.6	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Manganese	**238**		4.2	0.42	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Nickel	**39.3**		2.1	0.49	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Potassium	**1140**		104	16.8	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Selenium	**0.68**	**J**	1.3	0.13	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Silver	**0.23**	**J**	0.42	0.093	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Sodium	**70.7**	**J**	104	47.5	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Thallium	**0.10**	**J**	0.42	0.043	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1

Client Sample ID: 7C_0-2

Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5

Matrix: Solid
Percent Solids: 88.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	33.5		2.1	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1
Zinc	150		8.3	3.2	mg/Kg	☼	04/03/25 08:06	04/04/25 15:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.019	0.0089	mg/Kg	☼	04/07/25 00:52	04/07/25 04:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.8		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	88.2		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7C_2-4

Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0099	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1
Pyrene	0.38	U	0.38	0.0095	mg/Kg	☼	04/02/25 20:41	04/03/25 11:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/02/25 20:41*	*04/03/25 11:11*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*04/02/25 20:41*	*04/03/25 11:11*	*1*
2-Fluorophenol (Surr)	*66*		*31 - 133*	*04/02/25 20:41*	*04/03/25 11:11*	*1*
Nitrobenzene-d5 (Surr)	*69*		*31 - 120*	*04/02/25 20:41*	*04/03/25 11:11*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/02/25 20:41*	*04/03/25 11:11*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*04/02/25 20:41*	*04/03/25 11:11*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 10:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:29*	*1*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:29*	*1*
Tetrachloro-m-xylene	*130*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:29*	*1*
Tetrachloro-m-xylene	*131*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:29*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:18*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:18*	*1*
Tetrachloro-m-xylene	*129*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:18*	*1*
Tetrachloro-m-xylene	*126*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:18*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorohexanoic acid (PFHxA)	**0.077**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid
Percent Solids: 90.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorooctanoic acid (PFOA)	**0.20**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorononanoic acid (PFNA)	**0.68**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorodecanoic acid (PFDA)	**0.59**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoroundecanoic acid (PFUnA)	**1.91**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorododecanoic acid (PFDoA)	**0.65**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorotridecanoic acid (PFTrDA)	**3.16**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorotetradecanoic acid (PFTeDA)	**0.19**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**1.51**		0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.87**		0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid
Percent Solids: 90.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/03/25 14:48	04/04/25 21:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C5 PFPeA	*83.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C5 PFHxA	*73.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C4 PFHpA	*85.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C8 PFOA	*72.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C9 PFNA	*74.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C6 PFDA	*75.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C7 PFUnA	*130*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C2 PFTeDA	*63.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C3 PFBS	*77.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C3 PFHxS	*62.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C8 PFOS	*66.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C8 FOSA	*70.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d3-NMeFOSAA	*75.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d5-NEtFOSAA	*79.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
M2-4:2 FTS	*73.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
M2-6:2 FTS	*76.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
M2-8:2 FTS	*72.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C3 HFPO-DA	*81.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d7-N-MeFOSE-M	*60.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d9-N-EtFOSE-M	*53.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d5-NEtPFOSA	*62.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
d3-NMePFOSA	*71.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*
13C2-PFDoDA	*75.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:14*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8900**		20.5	5.6	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Antimony	**0.78**	**J**	1.0	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Arsenic	**5.9**		1.0	0.11	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Barium	**63.2**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Beryllium	**0.74**		0.41	0.059	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Cadmium	**0.27**	**J**	1.0	0.12	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Calcium	**1820**		103	41.8	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Chromium	**26.3**		2.1	0.93	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Cobalt	**9.7**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Copper	**64.1**		2.1	0.38	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Iron	**21000**		61.6	20.7	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Lead	**115**		0.62	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Magnesium	**2970**		103	10.5	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1

Client Sample ID: 7C_2-4

Lab Sample ID: 460-323252-6
Date Collected: 04/01/25 10:50
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 90.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	239		4.1	0.41	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Nickel	38.6		2.1	0.48	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Potassium	1350		103	16.6	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Selenium	0.39	J	1.3	0.13	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Silver	0.20	J	0.41	0.091	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Sodium	77.3	J	103	46.9	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Thallium	0.10	J	0.41	0.042	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Vanadium	29.0		2.1	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1
Zinc	154		8.2	3.1	mg/Kg	☼	04/03/25 08:06	04/04/25 15:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0089	mg/Kg	☼	04/07/25 01:16	04/07/25 05:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.8		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	90.2		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7D_0-5

Lab Sample ID: 460-323252-7
Date Collected: 04/01/25 11:00
Matrix: Solid
Date Received: 04/01/25 19:10
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4-Dimethylphenol	0.39	U	0.39	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,4-Dinitrotoluene	0.079	U	0.079	0.042	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2,6-Dinitrotoluene	0.079	U	0.079	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Chloronaphthalene	0.39	U	0.39	0.050	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Methylnaphthalene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
3-Nitroaniline	0.39	U	0.39	0.092	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Bromophenyl phenyl ether	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Chloroaniline	0.39	U	0.39	0.069	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Nitroaniline	0.39	U	0.39	0.099	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
4-Nitrophenol	0.79	U	0.79	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Atrazine	0.16	U	0.16	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzaldehyde	0.39	U	0.39	0.064	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzo[a]anthracene	0.039	U	0.039	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzo[b]fluoranthene	0.039	U	0.039	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0076	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.072	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Caprolactam	0.39	U	0.39	0.061	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Chrysene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Dimethyl phthalate	0.39	U	0.39	0.088	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Di-n-butyl phthalate	0.39	U	0.39	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Hexachlorobenzene	0.039	U	0.039	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Hexachlorobutadiene	0.079	U	0.079	0.0083	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Naphthalene	0.39	U	0.39	0.0067	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Phenanthrene	0.39	U	0.39	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1
Pyrene	0.39	U	0.39	0.0097	mg/Kg	☼	04/02/25 20:41	04/03/25 11:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 137*	*04/02/25 20:41*	*04/03/25 11:33*	*1*
2-Fluorobiphenyl	*71*		*38 - 128*	*04/02/25 20:41*	*04/03/25 11:33*	*1*
2-Fluorophenol (Surr)	*63*		*31 - 133*	*04/02/25 20:41*	*04/03/25 11:33*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 120*	*04/02/25 20:41*	*04/03/25 11:33*	*1*

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*66*		*35 - 132*	*04/02/25 20:41*	*04/03/25 11:33*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*04/02/25 20:41*	*04/03/25 11:33*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/02/25 18:36	04/03/25 10:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*92*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:41*	*1*
DCB Decachlorobiphenyl	*87*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:41*	*1*
Tetrachloro-m-xylene	*128*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:41*	*1*
Tetrachloro-m-xylene	*128*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*94*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:35*	*1*
DCB Decachlorobiphenyl	*91*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:35*	*1*
Tetrachloro-m-xylene	*123*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:35*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*116*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:35*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorohexanoic acid (PFHxA)	**0.064**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoroheptanoic acid (PFHpA)	**0.051**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorononanoic acid (PFNA)	**0.45**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorodecanoic acid (PFDA)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoroundecanoic acid (PFUnA)	**0.062**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorotridecanoic acid (PFTrDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorooctanesulfonic acid (PFOS)	**0.048**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	**0.081**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.42	U	1.42	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.42	U	1.42	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid
Percent Solids: 86.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.54	U	3.54	0.89	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.54	U	3.54	0.89	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 21:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*85.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C5 PFPeA	*87.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C5 PFHxA	*78.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C4 PFHpA	*93.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C8 PFOA	*78.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C9 PFNA	*84.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C6 PFDA	*84.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C7 PFUnA	*146*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C2 PFTeDA	*58.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C3 PFBS	*87.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C3 PFHxS	*71.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C8 PFOS	*73.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C8 FOSA	*79.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d3-NMeFOSAA	*83.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d5-NEtFOSAA	*87.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
M2-4:2 FTS	*83.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
M2-6:2 FTS	*79.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
M2-8:2 FTS	*76.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C3 HFPO-DA	*85.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d7-N-MeFOSE-M	*68.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d9-N-EtFOSE-M	*60.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d5-NEtPFOSA	*66.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
d3-NMePFOSA	*79.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*
13C2-PFDoDA	*86.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 21:30*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9810**		20.5	5.6	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Antimony	**0.31**	**J**	1.0	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Arsenic	**5.2**		1.0	0.11	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Barium	**77.9**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Beryllium	**0.79**		0.41	0.059	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Cadmium	**0.13**	**J**	1.0	0.12	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Calcium	**1450**		103	41.8	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Chromium	**22.2**		2.1	0.93	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1

Client Sample ID: 7D_0-5

Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7

Matrix: Solid
Percent Solids: 86.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	9.0		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Copper	29.6		2.1	0.38	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Iron	21600		61.6	20.7	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Lead	17.2		0.62	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Magnesium	3500		103	10.5	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Manganese	348		4.1	0.41	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Nickel	22.5		2.1	0.48	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Potassium	1640		103	16.6	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Selenium	0.18	J	1.3	0.13	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Silver	0.41	U	0.41	0.091	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Sodium	68.1	J	103	46.9	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Thallium	0.16	J	0.41	0.042	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Vanadium	31.4		2.1	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1
Zinc	52.2		8.2	3.1	mg/Kg	☼	04/03/25 08:06	04/04/25 16:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.0081	mg/Kg	☼	04/07/25 01:16	04/07/25 05:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.1		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	86.9		1.0	1.0	%			04/03/25 09:08	1

Client Sample ID: 7D_5-10

Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8

Matrix: Solid
Percent Solids: 88.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Atrazine	0.15	U	0.15	0.023	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzaldehyde	0.38	U	0.38	0.063	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0099	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Caprolactam	0.38	U	0.38	0.060	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1
Pyrene	0.38	U	0.38	0.0096	mg/Kg	☼	04/02/25 20:41	04/03/25 11:55	1

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid
Percent Solids: 88.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*04/02/25 20:41*	*04/03/25 11:55*	*1*
2-Fluorobiphenyl	*71*		*38 - 128*	*04/02/25 20:41*	*04/03/25 11:55*	*1*
2-Fluorophenol (Surr)	*59*		*31 - 133*	*04/02/25 20:41*	*04/03/25 11:55*	*1*
Nitrobenzene-d5 (Surr)	*63*		*31 - 120*	*04/02/25 20:41*	*04/03/25 11:55*	*1*
Phenol-d5 (Surr)	*66*		*35 - 132*	*04/02/25 20:41*	*04/03/25 11:55*	*1*
Terphenyl-d14 (Surr)	*80*		*44 - 147*	*04/02/25 20:41*	*04/03/25 11:55*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/02/25 18:36	04/03/25 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:53*	*1*
DCB Decachlorobiphenyl	*85*		*17 - 150*	*04/02/25 18:36*	*04/03/25 10:53*	*1*
Tetrachloro-m-xylene	*126*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:53*	*1*
Tetrachloro-m-xylene	*126*		*21 - 150*	*04/02/25 18:36*	*04/03/25 10:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/02/25 18:21	04/03/25 22:52	1

Client Sample ID: 7D_5-10

Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8

Matrix: Solid
Percent Solids: 88.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:52*	*1*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:52*	*1*
Tetrachloro-m-xylene	*127*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:52*	*1*
Tetrachloro-m-xylene	*123*		*20 - 150*	*04/02/25 18:21*	*04/03/25 22:52*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoroheptanoic acid (PFHpA)	**0.040**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorononanoic acid (PFNA)	**0.26**		0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorodecanoic acid (PFDA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoroundecanoic acid (PFUnA)	**0.084**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorotridecanoic acid (PFTrDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorooctanesulfonic acid (PFOS)	**0.042**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	**0.070**	**J**	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid
Percent Solids: 88.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/03/25 14:48	04/04/25 22:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C5 PFPeA	*86.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C5 PFHxA	*83.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C4 PFHpA	*98.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C8 PFOA	*79.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C9 PFNA	*85.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C6 PFDA	*84.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C7 PFUnA	*136*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C2 PFTeDA	*41.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C3 PFBS	*86.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C3 PFHxS	*70.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C8 PFOS	*75.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C8 FOSA	*78.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d3-NMeFOSAA	*80.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d5-NEtFOSAA	*85.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
M2-4:2 FTS	*81.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
M2-6:2 FTS	*85.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
M2-8:2 FTS	*75.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C3 HFPO-DA	*85.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d7-N-MeFOSE-M	*44.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d9-N-EtFOSE-M	*39.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d5-NEtPFOSA	*64.7*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
d3-NMePFOSA	*76.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*
13C2-PFDoDA	*76.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 22:20*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8550**		21.1	5.8	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Antimony	**0.32**	**J**	1.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Arsenic	**4.6**		1.1	0.11	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Barium	**59.2**		2.1	0.15	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Beryllium	**0.57**		0.42	0.060	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid
Percent Solids: 88.5

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.14	J	1.1	0.12	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Calcium	888		106	43.0	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Chromium	19.1		2.1	0.96	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Cobalt	8.0		2.1	0.16	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Copper	29.3		2.1	0.39	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Iron	16500		63.4	21.3	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Lead	25.9		0.63	0.21	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Magnesium	2680		106	10.8	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Manganese	320		4.2	0.43	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Nickel	21.2		2.1	0.50	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Potassium	1080		106	17.1	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Selenium	0.27	J	1.3	0.14	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Silver	0.11	J	0.42	0.094	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Sodium	56.3	J	106	48.3	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Thallium	0.12	J	0.42	0.043	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Vanadium	23.8		2.1	0.22	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1
Zinc	72.0		8.4	3.2	mg/Kg	☼	04/03/25 08:06	04/04/25 16:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.017	0.0081	mg/Kg	☼	04/07/25 01:16	04/07/25 05:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.5		1.0	1.0	%			04/03/25 09:08	1
Percent Solids (EPA Moisture)	88.5		1.0	1.0	%			04/03/25 09:08	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-323130-C-1-D MS	Matrix Spike	78	75	65	70	68	74
460-323130-C-1-E MSD	Matrix Spike Duplicate	73	71	61	66	66	71
460-323252-1	7A_0-5	75	77	68	72	74	84
460-323252-2	7A_5-10	71	73	66	69	70	82
460-323252-3	7B_0-5	72	73	64	67	69	79
460-323252-4	7B_5-10	74	74	69	68	70	81
460-323252-5	7C_0-2	67	70	64	65	67	79
460-323252-6	7C_2-4	73	75	66	69	73	86
460-323252-7	7D_0-5	70	71	63	65	66	79
460-323252-8	7D_5-10	74	71	59	63	66	80
LCS 460-1029397/2-A	Lab Control Sample	79	78	75	77	78	77
LCSD 460-1029397/3-A	Lab Control Sample Dup	82	82	74	77	78	80
MB 460-1029397/1-A	Method Blank	81	80	71	76	76	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-323130-C-1-A MS	Matrix Spike	70	79	107	98
460-323130-C-1-B MSD	Matrix Spike Duplicate	76	87	122	110
460-323252-1	7A_0-5	91	101	130	131
460-323252-2	7A_5-10	93	105	134	135
460-323252-3	7B_0-5	88	93	126	129
460-323252-4	7B_5-10	80	85	118	117
460-323252-5	7C_0-2	86	90	127	127
460-323252-6	7C_2-4	88	93	131	130
460-323252-7	7D_0-5	87	92	128	128
460-323252-8	7D_5-10	85	93	126	126
LCS 460-1029373/2-A	Lab Control Sample	62	71	100	92
LCSD 460-1029373/3-A	Lab Control Sample Dup	57	64	91	83
MB 460-1029373/1-A	Method Blank	70	80	102	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-323239-E-4-A MS	Matrix Spike	93	91	121	120
460-323239-E-4-B MSD	Matrix Spike Duplicate	116	116	151 *	156 *
460-323252-1	7A_0-5	105	106	135	140
460-323252-2	7A_5-10	99	97	128	131
460-323252-3	7B_0-5	91	90	117	118
460-323252-4	7B_5-10	92	90	116	118
460-323252-5	7C_0-2	98	98	127	131
460-323252-6	7C_2-4	98	98	126	129
460-323252-7	7D_0-5	91	94	116	123
460-323252-8	7D_5-10	95	95	123	127
LCS 460-1029367/2-A	Lab Control Sample	95	91	122	120
LCSD 460-1029367/3-A	Lab Control Sample Dup	88	86	114	112
MB 460-1029367/1-A	Method Blank	104	100	133	133

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-323252-1	7A_0-5	84.2	86.2	79.6	96.0	78.5	86.7	88.9	153 *
460-323252-2	7A_5-10	89.5	103	86.8	110	83.8	88.3	88.5	146
460-323252-3	7B_0-5	94.6	97.5	86.5	107	88.7	93.5	94.1	155 *
460-323252-4	7B_5-10	95.7	98.2	89.2	104	87.1	93.0	92.3	153 *
460-323252-5	7C_0-2	87.3	87.5	79.7	99.5	79.6	87.4	92.1	149
460-323252-6	7C_2-4	79.6	83.0	73.3	85.5	72.2	74.4	75.1	130
460-323252-7	7D_0-5	85.4	87.3	78.1	93.4	78.2	84.0	84.4	146
460-323252-8	7D_5-10	89.2	86.7	83.2	98.2	79.5	85.2	84.9	136
480-228410-A-2-B DU	Duplicate	91.0	93.1	83.2	103	78.7	88.5	85.8	150
LCS 240-650801/3-A	Lab Control Sample	96.1	95.5	88.7	107	89.2	94.2	93.6	162 *
LLCS 240-650801/2-A	Lab Control Sample	96.4	100	92.7	111	89.6	93.2	92.3	152 *
MB 240-650801/1-A	Method Blank	76.8	73.5	67.4	82.6	68.3	75.0	78.2	131

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-323252-1	7A_0-5	64.0	87.3	72.0	77.2	79.6	78.9	80.5	83.2
460-323252-2	7A_5-10	64.2	90.4	73.1	79.1	81.6	87.4	87.6	89.0
460-323252-3	7B_0-5	78.0	95.3	79.2	82.5	83.0	92.7	94.4	95.0
460-323252-4	7B_5-10	66.8	94.9	78.2	79.4	79.9	86.4	86.6	96.0
460-323252-5	7C_0-2	72.0	93.4	74.4	82.7	83.9	89.9	90.4	84.0
460-323252-6	7C_2-4	63.9	77.7	62.6	66.6	70.5	75.9	79.9	73.1
460-323252-7	7D_0-5	58.7	87.8	71.7	73.7	79.1	83.0	87.6	83.0
460-323252-8	7D_5-10	41.8	86.3	70.5	75.8	78.6	80.6	85.2	81.8
480-228410-A-2-B DU	Duplicate	73.2	97.5	76.8	80.7	80.1	88.5	91.4	107
LCS 240-650801/3-A	Lab Control Sample	83.8	105	85.4	90.4	86.4	93.7	95.2	100
LLCS 240-650801/2-A	Lab Control Sample	82.4	102	83.7	88.9	87.0	95.6	95.6	109
MB 240-650801/1-A	Method Blank	74.1	70.9	61.3	71.0	69.5	82.8	84.6	70.5

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-323252-1	7A_0-5	79.0	79.6	86.0	68.1	60.7	67.2	80.4	84.7
460-323252-2	7A_5-10	84.0	79.3	96.6	63.3	53.9	65.5	76.6	78.1
460-323252-3	7B_0-5	89.5	87.6	95.0	55.7	47.9	72.4	83.4	87.9
460-323252-4	7B_5-10	91.3	82.9	91.3	66.4	55.9	64.9	77.9	83.7
460-323252-5	7C_0-2	88.8	85.8	83.6	64.8	60.7	73.3	86.3	85.8
460-323252-6	7C_2-4	76.4	72.5	81.8	60.0	53.1	62.2	71.9	75.3
460-323252-7	7D_0-5	79.4	76.8	85.2	68.2	60.0	66.4	79.0	86.4
460-323252-8	7D_5-10	85.4	75.0	85.9	44.8	39.1	64.7	76.8	76.4
480-228410-A-2-B DU	Duplicate	96.1	94.4	87.1	50.4	42.2	68.4	81.3	84.5
LCS 240-650801/3-A	Lab Control Sample	101	94.0	97.0	69.6	62.8	72.3	86.2	91.3
LLCS 240-650801/2-A	Lab Control Sample	99.9	102	98.3	67.2	61.2	71.5	88.1	87.8
MB 240-650801/1-A	Method Blank	77.2	77.2	71.6	62.2	59.2	61.1	70.5	80.1

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1029397/1-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/02/25 20:41	04/03/25 08:57	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1029397/1-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/02/25 20:41	04/03/25 08:57	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/02/25 20:41	04/03/25 08:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 137*	*04/02/25 20:41*	*04/03/25 08:57*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*04/02/25 20:41*	*04/03/25 08:57*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*04/02/25 20:41*	*04/03/25 08:57*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*04/02/25 20:41*	*04/03/25 08:57*	*1*
Phenol-d5 (Surr)	*76*		*35 - 132*	*04/02/25 20:41*	*04/03/25 08:57*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*04/02/25 20:41*	*04/03/25 08:57*	*1*

Lab Sample ID: LCS 460-1029397/2-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.77		mg/Kg		83	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.84		mg/Kg		85	60 - 120
1,4-Dioxane	3.33	2.22		mg/Kg		67	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.44		mg/Kg		73	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.68		mg/Kg		80	62 - 120
2,4,5-Trichlorophenol	3.33	2.90		mg/Kg		87	64 - 120
2,4,6-Trichlorophenol	3.33	2.85		mg/Kg		85	65 - 120
2,4-Dichlorophenol	3.33	2.89		mg/Kg		87	66 - 120
2,4-Dimethylphenol	3.33	3.32		mg/Kg		100	46 - 120
2,4-Dinitrophenol	6.67	4.70		mg/Kg		70	41 - 129
2,4-Dinitrotoluene	3.33	2.73		mg/Kg		82	65 - 124
2,6-Dinitrotoluene	3.33	2.77		mg/Kg		83	67 - 121
2-Chloronaphthalene	3.33	2.79		mg/Kg		84	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1029397/2-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	3.33	2.79		mg/Kg		84	63 - 120
2-Methylnaphthalene	3.33	2.45		mg/Kg		74	64 - 120
2-Methylphenol	3.33	2.85		mg/Kg		86	63 - 120
2-Nitroaniline	3.33	2.18		mg/Kg		65	48 - 120
2-Nitrophenol	3.33	2.85		mg/Kg		85	64 - 120
3 & 4 Methylphenol	3.33	2.47		mg/Kg		74	61 - 120
3,3'-Dichlorobenzidine	3.33	2.11		mg/Kg		63	10 - 120
3-Nitroaniline	3.33	2.51		mg/Kg		75	18 - 122
4,6-Dinitro-2-methylphenol	6.67	5.67		mg/Kg		85	58 - 136
4-Bromophenyl phenyl ether	3.33	2.93		mg/Kg		88	60 - 120
4-Chloro-3-methylphenol	3.33	2.86		mg/Kg		86	66 - 120
4-Chloroaniline	3.33	2.47		mg/Kg		74	10 - 120
4-Chlorophenyl phenyl ether	3.33	2.84		mg/Kg		85	62 - 120
4-Methylphenol	3.33	2.47		mg/Kg		74	61 - 120
4-Nitroaniline	3.33	2.32		mg/Kg		70	51 - 120
4-Nitrophenol	6.67	4.90		mg/Kg		74	42 - 132
Acenaphthene	3.33	2.72		mg/Kg		82	65 - 120
Acenaphthylene	3.33	2.95		mg/Kg		88	64 - 120
Acetophenone	3.33	2.63		mg/Kg		79	61 - 120
Anthracene	3.33	2.83		mg/Kg		85	67 - 120
Atrazine	1.33	1.34		mg/Kg		101	32 - 150
Benzaldehyde	1.33	1.20		mg/Kg		90	28 - 150
Benzo[a]anthracene	3.33	2.72		mg/Kg		82	66 - 120
Benzo[a]pyrene	3.33	3.07		mg/Kg		92	73 - 123
Benzo[b]fluoranthene	3.33	2.97		mg/Kg		89	70 - 125
Benzo[g,h,i]perylene	3.33	3.31		mg/Kg		99	66 - 120
Benzo[k]fluoranthene	3.33	2.92		mg/Kg		87	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.69		mg/Kg		81	62 - 120
Bis(2-chloroethyl)ether	3.33	2.73		mg/Kg		82	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	2.72		mg/Kg		82	64 - 125
Butyl benzyl phthalate	3.33	2.60		mg/Kg		78	62 - 127
Caprolactam	1.33	1.16		mg/Kg		87	36 - 150
Carbazole	3.33	2.68		mg/Kg		80	64 - 120
Chrysene	3.33	2.66		mg/Kg		80	67 - 120
Dibenz(a,h)anthracene	3.33	3.16		mg/Kg		95	66 - 128
Dibenzofuran	3.33	2.75		mg/Kg		83	61 - 120
Diethyl phthalate	3.33	2.75		mg/Kg		83	63 - 120
Dimethyl phthalate	3.33	2.76		mg/Kg		83	65 - 120
Di-n-butyl phthalate	3.33	2.57		mg/Kg		77	66 - 120
Di-n-octyl phthalate	3.33	2.65		mg/Kg		80	61 - 123
Fluoranthene	3.33	2.66		mg/Kg		80	61 - 120
Fluorene	3.33	2.77		mg/Kg		83	64 - 120
Hexachlorobenzene	3.33	2.87		mg/Kg		86	66 - 120
Hexachlorobutadiene	3.33	2.96		mg/Kg		89	62 - 120
Hexachlorocyclopentadiene	3.33	3.51		mg/Kg		105	13 - 120
Hexachloroethane	3.33	2.83		mg/Kg		85	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.31		mg/Kg		99	71 - 137
Isophorone	3.33	2.72		mg/Kg		82	61 - 120
Naphthalene	3.33	2.80		mg/Kg		84	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1029397/2-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029397

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrobenzene			3.33	2.79		mg/Kg		84	63 - 120		
N-Nitrosodi-n-propylamine			3.33	2.75		mg/Kg		82	56 - 120		
N-Nitrosodiphenylamine			3.33	2.81		mg/Kg		84	63 - 120		
Pentachlorophenol			6.67	4.91		mg/Kg		74	61 - 126		
Phenanthrene			3.33	2.76		mg/Kg		83	66 - 120		
Phenol			3.33	2.96		mg/Kg		89	63 - 120		
Pyrene			3.33	2.78		mg/Kg		84	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*
2-Fluorobiphenyl	*78*		*38 - 128*
2-Fluorophenol (Surr)	*75*		*31 - 133*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*
Phenol-d5 (Surr)	*78*		*35 - 132*
Terphenyl-d14 (Surr)	*77*		*44 - 147*

Lab Sample ID: LCSD 460-1029397/3-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029397

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.85		mg/Kg		85	64 - 120	3	30
1,2,4,5-Tetrachlorobenzene			3.33	2.92		mg/Kg		88	60 - 120	3	30
1,4-Dioxane			3.33	2.20		mg/Kg		66	27 - 120	1	30
2,2'-oxybis[1-chloropropane]			3.33	2.47		mg/Kg		74	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.69		mg/Kg		81	62 - 120	0	30
2,4,5-Trichlorophenol			3.33	2.79		mg/Kg		84	64 - 120	4	30
2,4,6-Trichlorophenol			3.33	2.90		mg/Kg		87	65 - 120	2	30
2,4-Dichlorophenol			3.33	2.92		mg/Kg		88	66 - 120	1	30
2,4-Dimethylphenol			3.33	3.34		mg/Kg		100	46 - 120	1	30
2,4-Dinitrophenol			6.67	4.89		mg/Kg		73	41 - 129	4	30
2,4-Dinitrotoluene			3.33	2.85		mg/Kg		85	65 - 124	4	30
2,6-Dinitrotoluene			3.33	2.95		mg/Kg		88	67 - 121	6	30
2-Chloronaphthalene			3.33	2.88		mg/Kg		86	64 - 120	3	30
2-Chlorophenol			3.33	2.82		mg/Kg		85	63 - 120	1	30
2-Methylnaphthalene			3.33	2.47		mg/Kg		74	64 - 120	0	30
2-Methylphenol			3.33	2.83		mg/Kg		85	63 - 120	1	30
2-Nitroaniline			3.33	2.26		mg/Kg		68	48 - 120	4	30
2-Nitrophenol			3.33	2.87		mg/Kg		86	64 - 120	1	30
3 & 4 Methylphenol			3.33	2.50		mg/Kg		75	61 - 120	1	30
3,3'-Dichlorobenzidine			3.33	2.18		mg/Kg		65	10 - 120	3	30
3-Nitroaniline			3.33	2.57		mg/Kg		77	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	5.84		mg/Kg		88	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	2.99		mg/Kg		90	60 - 120	2	30
4-Chloro-3-methylphenol			3.33	2.86		mg/Kg		86	66 - 120	0	30
4-Chloroaniline			3.33	2.47		mg/Kg		74	10 - 120	0	30
4-Chlorophenyl phenyl ether			3.33	2.86		mg/Kg		86	62 - 120	1	30
4-Methylphenol			3.33	2.50		mg/Kg		75	61 - 120	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1029397/3-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029397

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.40		mg/Kg		72	51 - 120	3	30
4-Nitrophenol			6.67	5.08		mg/Kg		76	42 - 132	4	30
Acenaphthene			3.33	2.81		mg/Kg		84	65 - 120	3	30
Acenaphthylene			3.33	3.00		mg/Kg		90	64 - 120	2	30
Acetophenone			3.33	2.60		mg/Kg		78	61 - 120	1	30
Anthracene			3.33	2.85		mg/Kg		86	67 - 120	1	30
Atrazine			1.33	1.41		mg/Kg		105	32 - 150	5	30
Benzaldehyde			1.33	1.20		mg/Kg		90	28 - 150	0	30
Benzo[a]anthracene			3.33	2.83		mg/Kg		85	66 - 120	4	30
Benzo[a]pyrene			3.33	3.11		mg/Kg		93	73 - 123	1	30
Benzo[b]fluoranthene			3.33	2.94		mg/Kg		88	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.36		mg/Kg		101	66 - 120	2	30
Benzo[k]fluoranthene			3.33	2.96		mg/Kg		89	67 - 122	2	30
Bis(2-chloroethoxy)methane			3.33	2.73		mg/Kg		82	62 - 120	1	30
Bis(2-chloroethyl)ether			3.33	2.67		mg/Kg		80	60 - 120	2	30
Bis(2-ethylhexyl) phthalate			3.33	2.86		mg/Kg		86	64 - 125	5	30
Butyl benzyl phthalate			3.33	2.73		mg/Kg		82	62 - 127	5	30
Caprolactam			1.33	1.13		mg/Kg		85	36 - 150	2	30
Carbazole			3.33	2.76		mg/Kg		83	64 - 120	3	30
Chrysene			3.33	2.77		mg/Kg		83	67 - 120	4	30
Dibenz(a,h)anthracene			3.33	3.21		mg/Kg		96	66 - 128	2	30
Dibenzofuran			3.33	2.86		mg/Kg		86	61 - 120	4	30
Diethyl phthalate			3.33	2.86		mg/Kg		86	63 - 120	4	30
Dimethyl phthalate			3.33	2.80		mg/Kg		84	65 - 120	2	30
Di-n-butyl phthalate			3.33	2.67		mg/Kg		80	66 - 120	4	30
Di-n-octyl phthalate			3.33	2.66		mg/Kg		80	61 - 123	0	30
Fluoranthene			3.33	2.75		mg/Kg		83	61 - 120	3	30
Fluorene			3.33	2.88		mg/Kg		86	64 - 120	4	30
Hexachlorobenzene			3.33	3.01		mg/Kg		90	66 - 120	5	30
Hexachlorobutadiene			3.33	2.91		mg/Kg		87	62 - 120	1	30
Hexachlorocyclopentadiene			3.33	3.61		mg/Kg		108	13 - 120	3	30
Hexachloroethane			3.33	2.83		mg/Kg		85	61 - 120	0	30
Indeno[1,2,3-cd]pyrene			3.33	3.35		mg/Kg		101	71 - 137	1	30
Isophorone			3.33	2.75		mg/Kg		82	61 - 120	1	30
Naphthalene			3.33	2.82		mg/Kg		85	63 - 120	1	30
Nitrobenzene			3.33	2.90		mg/Kg		87	63 - 120	4	30
N-Nitrosodi-n-propylamine			3.33	2.72		mg/Kg		82	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	2.89		mg/Kg		87	63 - 120	3	30
Pentachlorophenol			6.67	5.07		mg/Kg		76	61 - 126	3	30
Phenanthrene			3.33	2.84		mg/Kg		85	66 - 120	3	30
Phenol			3.33	2.90		mg/Kg		87	63 - 120	2	30
Pyrene			3.33	2.89		mg/Kg		87	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*
2-Fluorobiphenyl	*82*		*38 - 128*
2-Fluorophenol (Surr)	*74*		*31 - 133*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1029397/3-A
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029397

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	*78*		*35 - 132*
Terphenyl-d14 (Surr)	*80*		*44 - 147*

Lab Sample ID: 460-323130-C-1-D MS
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.38	U	3.88	3.10		mg/Kg	☼	80	64 - 120
1,2,4,5-Tetrachlorobenzene	0.38	U	3.88	3.17		mg/Kg	☼	82	60 - 120
1,4-Dioxane	0.038	U	3.88	1.96		mg/Kg	☼	50	27 - 120
2,2'-oxybis[1-chloropropane]	0.38	U	3.88	2.54		mg/Kg	☼	65	46 - 126
2,3,4,6-Tetrachlorophenol	0.38	U	3.88	3.11		mg/Kg	☼	80	62 - 120
2,4,5-Trichlorophenol	0.38	U	3.88	3.30		mg/Kg	☼	85	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.88	3.26		mg/Kg	☼	84	65 - 120
2,4-Dichlorophenol	0.15	U	3.88	3.25		mg/Kg	☼	84	66 - 120
2,4-Dimethylphenol	0.38	U	3.88	3.71		mg/Kg	☼	96	46 - 120
2,4-Dinitrophenol	0.31	U	7.77	2.29	*	mg/Kg	☼	30	41 - 129
2,4-Dinitrotoluene	0.078	U	3.88	3.00		mg/Kg	☼	77	65 - 124
2,6-Dinitrotoluene	0.078	U	3.88	3.14		mg/Kg	☼	81	67 - 121
2-Chloronaphthalene	0.38	U	3.88	3.15		mg/Kg	☼	81	64 - 120
2-Chlorophenol	0.38	U	3.88	2.91		mg/Kg	☼	75	63 - 120
2-Methylnaphthalene	0.38	U	3.88	2.71		mg/Kg	☼	70	64 - 120
2-Methylphenol	0.38	U	3.88	3.08		mg/Kg	☼	79	63 - 120
2-Nitroaniline	0.38	U	3.88	2.46		mg/Kg	☼	63	48 - 120
2-Nitrophenol	0.38	U	3.88	2.80		mg/Kg	☼	72	64 - 120
3 & 4 Methylphenol	0.38	U	3.88	2.63		mg/Kg	☼	68	61 - 120
3,3'-Dichlorobenzidine	0.15	U	3.88	2.25		mg/Kg	☼	58	10 - 120
3-Nitroaniline	0.38	U	3.88	2.79		mg/Kg	☼	72	18 - 122
4,6-Dinitro-2-methylphenol	0.31	U	7.77	2.98	*	mg/Kg	☼	38	58 - 136
4-Bromophenyl phenyl ether	0.38	U	3.88	3.38		mg/Kg	☼	87	60 - 120
4-Chloro-3-methylphenol	0.38	U	3.88	3.16		mg/Kg	☼	81	66 - 120
4-Chloroaniline	0.38	U	3.88	2.16		mg/Kg	☼	56	10 - 120
4-Chlorophenyl phenyl ether	0.38	U	3.88	3.21		mg/Kg	☼	83	62 - 120
4-Methylphenol	0.38	U	3.88	2.63		mg/Kg	☼	68	61 - 120
4-Nitroaniline	0.38	U	3.88	2.49		mg/Kg	☼	64	51 - 120
4-Nitrophenol	0.78	U	7.77	5.69		mg/Kg	☼	73	42 - 132
Acenaphthene	0.38	U	3.88	3.06		mg/Kg	☼	79	65 - 120
Acenaphthylene	0.042	J	3.88	3.28		mg/Kg	☼	83	64 - 120
Acetophenone	0.38	U	3.88	2.75		mg/Kg	☼	71	61 - 120
Anthracene	0.022	J	3.88	3.22		mg/Kg	☼	82	67 - 120
Atrazine	0.15	U	1.55	1.84		mg/Kg	☼	118	32 - 150
Benzaldehyde	0.38	U	1.55	1.43	E	mg/Kg	☼	92	28 - 150
Benzo[a]anthracene	0.11		3.88	3.21		mg/Kg	☼	80	66 - 120
Benzo[a]pyrene	0.11		3.88	3.59		mg/Kg	☼	90	73 - 123
Benzo[b]fluoranthene	0.16		3.88	3.71		mg/Kg	☼	91	70 - 125
Benzo[g,h,i]perylene	0.053	J	3.88	2.84		mg/Kg	☼	72	66 - 120
Benzo[k]fluoranthene	0.072		3.88	3.64		mg/Kg	☼	92	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323130-C-1-D MS
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.38	U	3.88	3.00		mg/Kg	☼	77	62 - 120
Bis(2-chloroethyl)ether	0.038	U	3.88	2.86		mg/Kg	☼	74	60 - 120
Bis(2-ethylhexyl) phthalate	0.38	U	3.88	3.17		mg/Kg	☼	82	64 - 125
Butyl benzyl phthalate	0.38	U	3.88	3.11		mg/Kg	☼	80	62 - 127
Caprolactam	0.38	U	1.55	1.53		mg/Kg	☼	98	36 - 150
Carbazole	0.38	U	3.88	3.16		mg/Kg	☼	81	64 - 120
Chrysene	0.11	J	3.88	3.22		mg/Kg	☼	80	67 - 120
Dibenz(a,h)anthracene	0.022	J	3.88	2.82		mg/Kg	☼	72	66 - 128
Dibenzofuran	0.38	U	3.88	3.15		mg/Kg	☼	81	61 - 120
Diethyl phthalate	0.38	U	3.88	3.18		mg/Kg	☼	82	63 - 120
Dimethyl phthalate	0.38	U	3.88	3.13		mg/Kg	☼	81	65 - 120
Di-n-butyl phthalate	0.38	U	3.88	3.04		mg/Kg	☼	78	66 - 120
Di-n-octyl phthalate	0.38	U	3.88	3.57		mg/Kg	☼	92	61 - 123
Fluoranthene	0.23	J	3.88	3.21		mg/Kg	☼	77	61 - 120
Fluorene	0.38	U	3.88	3.14		mg/Kg	☼	81	64 - 120
Hexachlorobenzene	0.038	U	3.88	3.26		mg/Kg	☼	84	66 - 120
Hexachlorobutadiene	0.078	U	3.88	3.17		mg/Kg	☼	82	62 - 120
Hexachlorocyclopentadiene	0.38	U	3.88	2.71		mg/Kg	☼	70	13 - 120
Hexachloroethane	0.038	U	3.88	2.80		mg/Kg	☼	72	61 - 120
Indeno[1,2,3-cd]pyrene	0.062		3.88	3.03		mg/Kg	☼	76	71 - 137
Isophorone	0.15	U	3.88	3.00		mg/Kg	☼	77	61 - 120
Naphthalene	0.38	U	3.88	3.09		mg/Kg	☼	80	63 - 120
Nitrobenzene	0.038	U	3.88	2.96		mg/Kg	☼	76	63 - 120
N-Nitrosodi-n-propylamine	0.038	U	3.88	2.92		mg/Kg	☼	75	56 - 120
N-Nitrosodiphenylamine	0.38	U	3.88	3.14		mg/Kg	☼	81	63 - 120
Pentachlorophenol	0.31	U	7.77	6.16		mg/Kg	☼	79	61 - 126
Phenanthrene	0.14	J	3.88	3.21		mg/Kg	☼	79	66 - 120
Phenol	0.38	U	3.88	3.04		mg/Kg	☼	78	63 - 120
Pyrene	0.18	J	3.88	3.25		mg/Kg	☼	79	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*78*		*24 - 137*
2-Fluorobiphenyl	*75*		*38 - 128*
2-Fluorophenol (Surr)	*65*		*31 - 133*
Nitrobenzene-d5 (Surr)	*70*		*31 - 120*
Phenol-d5 (Surr)	*68*		*35 - 132*
Terphenyl-d14 (Surr)	*74*		*44 - 147*

Lab Sample ID: 460-323130-C-1-E MSD
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.38	U	3.89	2.86		mg/Kg	☼	74	64 - 120	8	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.89	2.84		mg/Kg	☼	73	60 - 120	11	30
1,4-Dioxane	0.038	U	3.89	1.75		mg/Kg	☼	45	27 - 120	11	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.89	2.34		mg/Kg	☼	60	46 - 126	8	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.89	2.85		mg/Kg	☼	73	62 - 120	9	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323130-C-1-E MSD
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.38	U	3.89	2.94		mg/Kg	☼	75	64 - 120	12	30
2,4,6-Trichlorophenol	0.15	U	3.89	2.91		mg/Kg	☼	75	65 - 120	11	30
2,4-Dichlorophenol	0.15	U	3.89	2.89		mg/Kg	☼	74	66 - 120	12	30
2,4-Dimethylphenol	0.38	U	3.89	3.26		mg/Kg	☼	84	46 - 120	13	30
2,4-Dinitrophenol	0.31	U	7.78	1.98	*	mg/Kg	☼	25	41 - 129	15	30
2,4-Dinitrotoluene	0.078	U	3.89	2.73		mg/Kg	☼	70	65 - 124	10	30
2,6-Dinitrotoluene	0.078	U	3.89	2.77		mg/Kg	☼	71	67 - 121	12	30
2-Chloronaphthalene	0.38	U	3.89	2.86		mg/Kg	☼	74	64 - 120	10	30
2-Chlorophenol	0.38	U	3.89	2.70		mg/Kg	☼	69	63 - 120	7	30
2-Methylnaphthalene	0.38	U	3.89	2.45	*	mg/Kg	☼	63	64 - 120	10	30
2-Methylphenol	0.38	U	3.89	2.78		mg/Kg	☼	72	63 - 120	10	30
2-Nitroaniline	0.38	U	3.89	2.22		mg/Kg	☼	57	48 - 120	10	30
2-Nitrophenol	0.38	U	3.89	2.44	*	mg/Kg	☼	63	64 - 120	14	30
3 & 4 Methylphenol	0.38	U	3.89	2.47		mg/Kg	☼	64	61 - 120	6	30
3,3'-Dichlorobenzidine	0.15	U	3.89	2.08		mg/Kg	☼	54	10 - 120	8	30
3-Nitroaniline	0.38	U	3.89	2.59		mg/Kg	☼	67	18 - 122	8	30
4,6-Dinitro-2-methylphenol	0.31	U	7.78	2.62	*	mg/Kg	☼	34	58 - 136	13	30
4-Bromophenyl phenyl ether	0.38	U	3.89	3.00		mg/Kg	☼	77	60 - 120	12	30
4-Chloro-3-methylphenol	0.38	U	3.89	2.82		mg/Kg	☼	73	66 - 120	11	30
4-Chloroaniline	0.38	U	3.89	1.94		mg/Kg	☼	50	10 - 120	11	30
4-Chlorophenyl phenyl ether	0.38	U	3.89	2.91		mg/Kg	☼	75	62 - 120	10	30
4-Methylphenol	0.38	U	3.89	2.47		mg/Kg	☼	64	61 - 120	6	30
4-Nitroaniline	0.38	U	3.89	2.20		mg/Kg	☼	57	51 - 120	13	30
4-Nitrophenol	0.78	U	7.78	4.92		mg/Kg	☼	63	42 - 132	15	30
Acenaphthene	0.38	U	3.89	2.77		mg/Kg	☼	71	65 - 120	10	30
Acenaphthylene	0.042	J	3.89	3.00		mg/Kg	☼	76	64 - 120	9	30
Acetophenone	0.38	U	3.89	2.50		mg/Kg	☼	64	61 - 120	10	30
Anthracene	0.022	J	3.89	2.90		mg/Kg	☼	74	67 - 120	10	30
Atrazine	0.15	U	1.56	1.69		mg/Kg	☼	109	32 - 150	9	30
Benzaldehyde	0.38	U	1.56	1.40	E	mg/Kg	☼	90	28 - 150	2	30
Benzo[a]anthracene	0.11		3.89	2.87		mg/Kg	☼	71	66 - 120	11	30
Benzo[a]pyrene	0.11		3.89	3.18		mg/Kg	☼	79	73 - 123	12	30
Benzo[b]fluoranthene	0.16		3.89	3.20		mg/Kg	☼	78	70 - 125	15	30
Benzo[g,h,i]perylene	0.053	J	3.89	2.54	*	mg/Kg	☼	64	66 - 120	11	30
Benzo[k]fluoranthene	0.072		3.89	3.21		mg/Kg	☼	81	67 - 122	13	30
Bis(2-chloroethoxy)methane	0.38	U	3.89	2.75		mg/Kg	☼	71	62 - 120	9	30
Bis(2-chloroethyl)ether	0.038	U	3.89	2.63		mg/Kg	☼	68	60 - 120	8	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.89	2.86		mg/Kg	☼	73	64 - 125	10	30
Butyl benzyl phthalate	0.38	U	3.89	2.83		mg/Kg	☼	73	62 - 127	9	30
Caprolactam	0.38	U	1.56	1.40		mg/Kg	☼	90	36 - 150	9	30
Carbazole	0.38	U	3.89	2.84		mg/Kg	☼	73	64 - 120	11	30
Chrysene	0.11	J	3.89	2.87		mg/Kg	☼	71	67 - 120	12	30
Dibenz(a,h)anthracene	0.022	J	3.89	2.53	*	mg/Kg	☼	65	66 - 128	11	30
Dibenzofuran	0.38	U	3.89	2.85		mg/Kg	☼	73	61 - 120	10	30
Diethyl phthalate	0.38	U	3.89	2.86		mg/Kg	☼	74	63 - 120	11	30
Dimethyl phthalate	0.38	U	3.89	2.80		mg/Kg	☼	72	65 - 120	11	30
Di-n-butyl phthalate	0.38	U	3.89	2.72		mg/Kg	☼	70	66 - 120	11	30
Di-n-octyl phthalate	0.38	U	3.89	3.12		mg/Kg	☼	80	61 - 123	14	30
Fluoranthene	0.23	J	3.89	2.89		mg/Kg	☼	68	61 - 120	10	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323130-C-1-E MSD
Matrix: Solid
Analysis Batch: 1029460

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029397

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.38	U	3.89	2.85		mg/Kg	☼	73	64 - 120	9	30
Hexachlorobenzene	0.038	U	3.89	2.98		mg/Kg	☼	77	66 - 120	9	30
Hexachlorobutadiene	0.078	U	3.89	2.89		mg/Kg	☼	74	62 - 120	9	30
Hexachlorocyclopentadiene	0.38	U	3.89	2.39		mg/Kg	☼	61	13 - 120	12	30
Hexachloroethane	0.038	U	3.89	2.57		mg/Kg	☼	66	61 - 120	8	30
Indeno[1,2,3-cd]pyrene	0.062		3.89	2.59	*	mg/Kg	☼	65	71 - 137	16	30
Isophorone	0.15	U	3.89	2.64		mg/Kg	☼	68	61 - 120	13	30
Naphthalene	0.38	U	3.89	2.75		mg/Kg	☼	71	63 - 120	12	30
Nitrobenzene	0.038	U	3.89	2.76		mg/Kg	☼	71	63 - 120	7	30
N-Nitrosodi-n-propylamine	0.038	U	3.89	2.67		mg/Kg	☼	69	56 - 120	9	30
N-Nitrosodiphenylamine	0.38	U	3.89	2.92		mg/Kg	☼	75	63 - 120	7	30
Pentachlorophenol	0.31	U	7.78	5.35		mg/Kg	☼	69	61 - 126	14	30
Phenanthrene	0.14	J	3.89	2.85		mg/Kg	☼	70	66 - 120	12	30
Phenol	0.38	U	3.89	2.72		mg/Kg	☼	70	63 - 120	11	30
Pyrene	0.18	J	3.89	2.91		mg/Kg	☼	70	61 - 121	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*
2-Fluorobiphenyl	*71*		*38 - 128*
2-Fluorophenol (Surr)	*61*		*31 - 133*
Nitrobenzene-d5 (Surr)	*66*		*31 - 120*
Phenol-d5 (Surr)	*66*		*35 - 132*
Terphenyl-d14 (Surr)	*71*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1029373/1-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/02/25 18:36	04/03/25 05:47	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1029373/1-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/02/25 18:36	04/03/25 05:47	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/02/25 18:36	04/03/25 05:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*17 - 150*	*04/02/25 18:36*	*04/03/25 05:47*	*1*
DCB Decachlorobiphenyl	*70*		*17 - 150*	*04/02/25 18:36*	*04/03/25 05:47*	*1*
Tetrachloro-m-xylene	*104*		*21 - 150*	*04/02/25 18:36*	*04/03/25 05:47*	*1*
Tetrachloro-m-xylene	*102*		*21 - 150*	*04/02/25 18:36*	*04/03/25 05:47*	*1*

Lab Sample ID: LCS 460-1029373/2-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.147		mg/Kg		110	70 - 138
4,4'-DDD	0.133	0.143		mg/Kg		107	70 - 138
4,4'-DDE	0.133	0.143		mg/Kg		107	68 - 136
4,4'-DDE	0.133	0.146		mg/Kg		110	68 - 136
4,4'-DDT	0.133	0.169		mg/Kg		126	66 - 149
4,4'-DDT	0.133	0.149		mg/Kg		112	66 - 149
Aldrin	0.133	0.137		mg/Kg		103	69 - 136
Aldrin	0.133	0.141		mg/Kg		106	69 - 136
alpha-BHC	0.133	0.142		mg/Kg		107	72 - 134
alpha-BHC	0.133	0.148		mg/Kg		111	72 - 134
beta-BHC	0.133	0.134		mg/Kg		100	71 - 130
beta-BHC	0.133	0.140		mg/Kg		105	71 - 130

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1029373/2-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029373

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
cis-Chlordane			0.133	0.142		mg/Kg		107	69 - 135		
cis-Chlordane			0.133	0.148		mg/Kg		111	69 - 135		
delta-BHC			0.133	0.146		mg/Kg		110	69 - 140		
delta-BHC			0.133	0.146		mg/Kg		110	69 - 140		
Dieldrin			0.133	0.140		mg/Kg		105	69 - 134		
Dieldrin			0.133	0.142		mg/Kg		106	69 - 134		
Endosulfan I			0.133	0.143		mg/Kg		107	69 - 133		
Endosulfan I			0.133	0.143		mg/Kg		107	69 - 133		
Endosulfan II			0.133	0.148		mg/Kg		111	71 - 137		
Endosulfan II			0.133	0.147		mg/Kg		110	71 - 137		
Endosulfan sulfate			0.133	0.149		mg/Kg		112	61 - 140		
Endosulfan sulfate			0.133	0.138		mg/Kg		104	61 - 140		
Endrin			0.133	0.142		mg/Kg		106	67 - 141		
Endrin			0.133	0.149		mg/Kg		112	67 - 141		
Endrin aldehyde			0.133	0.143		mg/Kg		107	71 - 136		
Endrin aldehyde			0.133	0.134		mg/Kg		100	71 - 136		
Endrin ketone			0.133	0.154		mg/Kg		115	60 - 146		
Endrin ketone			0.133	0.142		mg/Kg		107	60 - 146		
gamma-BHC (Lindane)			0.133	0.145		mg/Kg		109	72 - 139		
gamma-BHC (Lindane)			0.133	0.144		mg/Kg		108	72 - 139		
Heptachlor			0.133	0.155		mg/Kg		116	74 - 138		
Heptachlor			0.133	0.151		mg/Kg		113	74 - 138		
Heptachlor epoxide			0.133	0.141		mg/Kg		106	72 - 134		
Heptachlor epoxide			0.133	0.142		mg/Kg		106	72 - 134		
Methoxychlor			0.133	0.189		mg/Kg		141	60 - 150		
Methoxychlor			0.133	0.141		mg/Kg		106	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*17 - 150*
DCB Decachlorobiphenyl	*62*		*17 - 150*
Tetrachloro-m-xylene	*92*		*21 - 150*
Tetrachloro-m-xylene	*100*		*21 - 150*

Lab Sample ID: LCSD 460-1029373/3-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.129		mg/Kg		97	70 - 138	13	30
4,4'-DDD			0.133	0.129		mg/Kg		97	70 - 138	10	30
4,4'-DDE			0.133	0.125		mg/Kg		94	68 - 136	13	30
4,4'-DDE			0.133	0.132		mg/Kg		99	68 - 136	10	30
4,4'-DDT			0.133	0.147		mg/Kg		110	66 - 149	14	30
4,4'-DDT			0.133	0.134		mg/Kg		100	66 - 149	11	30
Aldrin			0.133	0.120		mg/Kg		90	69 - 136	14	30
Aldrin			0.133	0.127		mg/Kg		95	69 - 136	11	30
alpha-BHC			0.133	0.123		mg/Kg		93	72 - 134	14	30
alpha-BHC			0.133	0.130		mg/Kg		98	72 - 134	13	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1029373/3-A
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029373

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC			0.133	0.116		mg/Kg		87	71 - 130	14	30
beta-BHC			0.133	0.126		mg/Kg		94	71 - 130	11	30
cis-Chlordane			0.133	0.125		mg/Kg		94	69 - 135	13	30
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135	10	30
delta-BHC			0.133	0.126		mg/Kg		95	69 - 140	15	30
delta-BHC			0.133	0.130		mg/Kg		98	69 - 140	12	30
Dieldrin			0.133	0.123		mg/Kg		92	69 - 134	13	30
Dieldrin			0.133	0.127		mg/Kg		96	69 - 134	10	30
Endosulfan I			0.133	0.125		mg/Kg		94	69 - 133	13	30
Endosulfan I			0.133	0.129		mg/Kg		97	69 - 133	10	30
Endosulfan II			0.133	0.131		mg/Kg		98	71 - 137	12	30
Endosulfan II			0.133	0.133		mg/Kg		100	71 - 137	10	30
Endosulfan sulfate			0.133	0.131		mg/Kg		98	61 - 140	13	30
Endosulfan sulfate			0.133	0.125		mg/Kg		94	61 - 140	10	30
Endrin			0.133	0.123		mg/Kg		92	67 - 141	14	30
Endrin			0.133	0.133		mg/Kg		100	67 - 141	11	30
Endrin aldehyde			0.133	0.127		mg/Kg		95	71 - 136	12	30
Endrin aldehyde			0.133	0.122		mg/Kg		91	71 - 136	9	30
Endrin ketone			0.133	0.135		mg/Kg		102	60 - 146	13	30
Endrin ketone			0.133	0.128		mg/Kg		96	60 - 146	10	30
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		94	72 - 139	15	30
gamma-BHC (Lindane)			0.133	0.128		mg/Kg		96	72 - 139	12	30
Heptachlor			0.133	0.134		mg/Kg		100	74 - 138	14	30
Heptachlor			0.133	0.135		mg/Kg		101	74 - 138	11	30
Heptachlor epoxide			0.133	0.124		mg/Kg		93	72 - 134	13	30
Heptachlor epoxide			0.133	0.128		mg/Kg		96	72 - 134	10	30
Methoxychlor			0.133	0.165		mg/Kg		124	60 - 150	14	30
Methoxychlor			0.133	0.127		mg/Kg		95	60 - 150	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*17 - 150*
DCB Decachlorobiphenyl	*57*		*17 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*
Tetrachloro-m-xylene	*91*		*21 - 150*

Lab Sample ID: 460-323130-C-1-A MS
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0078	U	0.156	0.185		mg/Kg	☼	119	70 - 138
4,4'-DDD	0.0078	U	0.156	0.182		mg/Kg	☼	117	70 - 138
4,4'-DDE	0.0078	U	0.156	0.181		mg/Kg	☼	116	68 - 136
4,4'-DDE	0.0078	U	0.156	0.185		mg/Kg	☼	118	68 - 136
4,4'-DDT	0.0078	U	0.156	0.218		mg/Kg	☼	140	66 - 149
4,4'-DDT	0.0078	U	0.156	0.196		mg/Kg	☼	126	66 - 149
Aldrin	0.0078	U	0.156	0.172		mg/Kg	☼	110	69 - 136
Aldrin	0.0078	U	0.156	0.179		mg/Kg	☼	115	69 - 136

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323130-C-1-A MS
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0023	U	0.156	0.177		mg/Kg	☼	113	72 - 134
alpha-BHC	0.0023	U	0.156	0.187		mg/Kg	☼	120	72 - 134
beta-BHC	0.0023	U	0.156	0.168		mg/Kg	☼	108	71 - 130
beta-BHC	0.0023	U	0.156	0.178		mg/Kg	☼	114	71 - 130
cis-Chlordane	0.0078	U	0.156	0.180		mg/Kg	☼	115	69 - 135
cis-Chlordane	0.0078	U	0.156	0.188		mg/Kg	☼	121	69 - 135
delta-BHC	0.0023	U	0.156	0.185		mg/Kg	☼	119	69 - 140
delta-BHC	0.0023	U	0.156	0.190		mg/Kg	☼	122	69 - 140
Dieldrin	0.0023	U	0.156	0.176		mg/Kg	☼	113	69 - 134
Dieldrin	0.0023	U	0.156	0.181		mg/Kg	☼	116	69 - 134
Endosulfan I	0.0078	U	0.156	0.180		mg/Kg	☼	115	69 - 133
Endosulfan I	0.0078	U	0.156	0.183		mg/Kg	☼	117	69 - 133
Endosulfan II	0.0078	U	0.156	0.186		mg/Kg	☼	119	71 - 137
Endosulfan II	0.0078	U	0.156	0.188		mg/Kg	☼	120	71 - 137
Endosulfan sulfate	0.0078	U	0.156	0.188		mg/Kg	☼	120	61 - 140
Endosulfan sulfate	0.0078	U	0.156	0.176		mg/Kg	☼	113	61 - 140
Endrin	0.0078	U	0.156	0.182		mg/Kg	☼	117	67 - 141
Endrin	0.0078	U	0.156	0.196		mg/Kg	☼	126	67 - 141
Endrin aldehyde	0.0078	U	0.156	0.180		mg/Kg	☼	115	71 - 136
Endrin aldehyde	0.0078	U	0.156	0.171		mg/Kg	☼	110	71 - 136
Endrin ketone	0.0078	U	0.156	0.195		mg/Kg	☼	125	60 - 146
Endrin ketone	0.0078	U	0.156	0.183		mg/Kg	☼	118	60 - 146
gamma-BHC (Lindane)	0.0023	U	0.156	0.182		mg/Kg	☼	117	72 - 139
gamma-BHC (Lindane)	0.0023	U	0.156	0.184		mg/Kg	☼	118	72 - 139
Heptachlor	0.0078	U	0.156	0.194		mg/Kg	☼	124	74 - 138
Heptachlor	0.0078	U	0.156	0.193		mg/Kg	☼	124	74 - 138
Heptachlor epoxide	0.0078	U	0.156	0.177		mg/Kg	☼	114	72 - 134
Heptachlor epoxide	0.0078	U	0.156	0.181		mg/Kg	☼	116	72 - 134
Methoxychlor	0.0078	U	0.156	0.244	*	mg/Kg	☼	156	60 - 150
Methoxychlor	0.0078	U	0.156	0.185		mg/Kg	☼	118	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*17 - 150*
DCB Decachlorobiphenyl	*70*		*17 - 150*
Tetrachloro-m-xylene	*98*		*21 - 150*
Tetrachloro-m-xylene	*107*		*21 - 150*

Lab Sample ID: 460-323130-C-1-B MSD
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0078	U	0.156	0.198		mg/Kg	☼	127	70 - 138	7	30
4,4'-DDD	0.0078	U	0.156	0.201		mg/Kg	☼	129	70 - 138	10	30
4,4'-DDE	0.0078	U	0.156	0.195		mg/Kg	☼	125	68 - 136	7	30
4,4'-DDE	0.0078	U	0.156	0.203		mg/Kg	☼	130	68 - 136	9	30
4,4'-DDT	0.0078	U	0.156	0.234	*	mg/Kg	☼	150	66 - 149	7	30
4,4'-DDT	0.0078	U	0.156	0.217		mg/Kg	☼	139	66 - 149	10	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323130-C-1-B MSD
Matrix: Solid
Analysis Batch: 1029428

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029373

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.0078	U	0.156	0.185		mg/Kg	☼	119	69 - 136	8	30
Aldrin	0.0078	U	0.156	0.200		mg/Kg	☼	128	69 - 136	11	30
alpha-BHC	0.0023	U	0.156	0.192		mg/Kg	☼	123	72 - 134	8	30
alpha-BHC	0.0023	U	0.156	0.210	*	mg/Kg	☼	135	72 - 134	12	30
beta-BHC	0.0023	U	0.156	0.179		mg/Kg	☼	115	71 - 130	7	30
beta-BHC	0.0023	U	0.156	0.195		mg/Kg	☼	125	71 - 130	9	30
cis-Chlordane	0.0078	U	0.156	0.192		mg/Kg	☼	123	69 - 135	7	30
cis-Chlordane	0.0078	U	0.156	0.206		mg/Kg	☼	132	69 - 135	9	30
delta-BHC	0.0023	U	0.156	0.199		mg/Kg	☼	127	69 - 140	7	30
delta-BHC	0.0023	U	0.156	0.211		mg/Kg	☼	135	69 - 140	11	30
Dieldrin	0.0023	U	0.156	0.190		mg/Kg	☼	122	69 - 134	7	30
Dieldrin	0.0023	U	0.156	0.199		mg/Kg	☼	127	69 - 134	9	30
Endosulfan I	0.0078	U	0.156	0.193		mg/Kg	☼	124	69 - 133	7	30
Endosulfan I	0.0078	U	0.156	0.199		mg/Kg	☼	128	69 - 133	8	30
Endosulfan II	0.0078	U	0.156	0.199		mg/Kg	☼	128	71 - 137	7	30
Endosulfan II	0.0078	U	0.156	0.207		mg/Kg	☼	133	71 - 137	10	30
Endosulfan sulfate	0.0078	U	0.156	0.201		mg/Kg	☼	129	61 - 140	7	30
Endosulfan sulfate	0.0078	U	0.156	0.194		mg/Kg	☼	124	61 - 140	10	30
Endrin	0.0078	U	0.156	0.195		mg/Kg	☼	125	67 - 141	7	30
Endrin	0.0078	U	0.156	0.216		mg/Kg	☼	138	67 - 141	9	30
Endrin aldehyde	0.0078	U	0.156	0.193		mg/Kg	☼	124	71 - 136	7	30
Endrin aldehyde	0.0078	U	0.156	0.188		mg/Kg	☼	121	71 - 136	10	30
Endrin ketone	0.0078	U	0.156	0.208		mg/Kg	☼	133	60 - 146	6	30
Endrin ketone	0.0078	U	0.156	0.201		mg/Kg	☼	129	60 - 146	9	30
gamma-BHC (Lindane)	0.0023	U	0.156	0.196		mg/Kg	☼	126	72 - 139	8	30
gamma-BHC (Lindane)	0.0023	U	0.156	0.206		mg/Kg	☼	132	72 - 139	11	30
Heptachlor	0.0078	U	0.156	0.209		mg/Kg	☼	134	74 - 138	8	30
Heptachlor	0.0078	U	0.156	0.215		mg/Kg	☼	138	74 - 138	11	30
Heptachlor epoxide	0.0078	U	0.156	0.190		mg/Kg	☼	122	72 - 134	7	30
Heptachlor epoxide	0.0078	U	0.156	0.199		mg/Kg	☼	128	72 - 134	10	30
Methoxychlor	0.0078	U	0.156	0.261	*	mg/Kg	☼	167	60 - 150	7	30
Methoxychlor	0.0078	U	0.156	0.203		mg/Kg	☼	130	60 - 150	10	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*17 - 150*
DCB Decachlorobiphenyl	*76*		*17 - 150*
Tetrachloro-m-xylene	*110*		*21 - 150*
Tetrachloro-m-xylene	*122*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1029367/1-A
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1029367/1-A
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/02/25 18:21	04/03/25 19:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*20 - 150*	*04/02/25 18:21*	*04/03/25 19:14*	*1*
DCB Decachlorobiphenyl	*104*		*20 - 150*	*04/02/25 18:21*	*04/03/25 19:14*	*1*
Tetrachloro-m-xylene	*133*		*20 - 150*	*04/02/25 18:21*	*04/03/25 19:14*	*1*
Tetrachloro-m-xylene	*133*		*20 - 150*	*04/02/25 18:21*	*04/03/25 19:14*	*1*

Lab Sample ID: LCS 460-1029367/2-A
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.419		mg/Kg		126	54 - 136		
Aroclor 1016			0.333	0.402		mg/Kg		121	54 - 136		
Aroclor 1260			0.333	0.424		mg/Kg		127	53 - 145		
Aroclor 1260			0.333	0.412		mg/Kg		123	53 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*20 - 150*
DCB Decachlorobiphenyl	*95*		*20 - 150*
Tetrachloro-m-xylene	*120*		*20 - 150*
Tetrachloro-m-xylene	*122*		*20 - 150*

Lab Sample ID: LCSD 460-1029367/3-A
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.373		mg/Kg		112	54 - 136	12	30
Aroclor 1016			0.333	0.363		mg/Kg		109	54 - 136	10	30
Aroclor 1260			0.333	0.387		mg/Kg		116	53 - 145	9	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1029367/3-A
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1029367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1260			0.333	0.397		mg/Kg		119	53 - 145	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*20 - 150*
DCB Decachlorobiphenyl	*88*		*20 - 150*
Tetrachloro-m-xylene	*112*		*20 - 150*
Tetrachloro-m-xylene	*114*		*20 - 150*

Lab Sample ID: 460-323239-E-4-A MS
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.074	U	0.370	0.435		mg/Kg	☼	118	54 - 136		
Aroclor 1016	0.074	U	0.370	0.421		mg/Kg	☼	114	54 - 136		
Aroclor 1260	0.074	U	0.370	0.457		mg/Kg	☼	123	53 - 145		
Aroclor 1260	0.074	U	0.370	0.452		mg/Kg	☼	122	53 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*91*		*20 - 150*
DCB Decachlorobiphenyl	*93*		*20 - 150*
Tetrachloro-m-xylene	*120*		*20 - 150*
Tetrachloro-m-xylene	*121*		*20 - 150*

Lab Sample ID: 460-323239-E-4-B MSD
Matrix: Solid
Analysis Batch: 1029572

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1029367

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.074	U	0.370	0.566	*	mg/Kg	☼	153	54 - 136	26	30
Aroclor 1016	0.074	U	0.370	0.524	*	mg/Kg	☼	141	54 - 136	22	30
Aroclor 1260	0.074	U	0.370	0.577	*	mg/Kg	☼	156	53 - 145	23	30
Aroclor 1260	0.074	U	0.370	0.558	*	mg/Kg	☼	151	53 - 145	21	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*116*		*20 - 150*
DCB Decachlorobiphenyl	*116*		*20 - 150*
Tetrachloro-m-xylene	*156*	*	*20 - 150*
Tetrachloro-m-xylene	*151*	*	*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-650801/1-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-650801/1-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		04/03/25 14:48	04/04/25 19:01	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-650801/1-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 650801

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		04/03/25 14:48	04/04/25 19:01	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		04/03/25 14:48	04/04/25 19:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*76.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C5 PFPeA	*73.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C5 PFHxA	*67.4*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C4 PFHpA	*82.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C8 PFOA	*68.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C9 PFNA	*75.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C6 PFDA	*78.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C7 PFUnA	*131*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C2 PFTeDA	*74.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C3 PFBS	*70.9*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C3 PFHxS	*61.3*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C8 PFOS	*71.0*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C8 FOSA	*69.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d3-NMeFOSAA	*82.8*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d5-NEtFOSAA	*84.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
M2-4:2 FTS	*70.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
M2-6:2 FTS	*77.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
M2-8:2 FTS	*77.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C3 HFPO-DA	*71.6*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d7-N-MeFOSE-M	*62.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d9-N-EtFOSE-M	*59.2*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d5-NEtPFOSA	*61.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
d3-NMePFOSA	*70.5*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*
13C2-PFDoDA	*80.1*		*20 - 150*	*04/03/25 14:48*	*04/04/25 19:01*	*1*

Lab Sample ID: LCS 240-650801/3-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.428		ug/Kg		103	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.101		ug/Kg		99	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.674		ug/Kg		107	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.354		ug/Kg		87	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.669		ug/Kg		107	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.626		ug/Kg		104	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.846		ug/Kg		118	40 - 150
Perfluoroundecanoic acid (PFUnA)	1.56	1.032		ug/Kg		66	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-650801/3-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	1.56	1.747		ug/Kg		112	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.680		ug/Kg		108	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.772		ug/Kg		113	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.339		ug/Kg		97	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.729		ug/Kg		118	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.616		ug/Kg		113	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.607		ug/Kg		108	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.454		ug/Kg		100	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.487		ug/Kg		99	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.413		ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.078		ug/Kg		104	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	5.786		ug/Kg		97	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.331		ug/Kg		106	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.604		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.389		ug/Kg		89	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.530		ug/Kg		98	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.571		ug/Kg		101	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.554		ug/Kg		99	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	15.20		ug/Kg		97	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	15.26		ug/Kg		98	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.153		ug/Kg		98	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.067		ug/Kg		103	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.094		ug/Kg		99	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.210		ug/Kg		103	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	5.870		ug/Kg		101	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	5.937		ug/Kg		101	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	3.141		ug/Kg		113	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	6.835		ug/Kg		87	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-650801/3-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	39.17		ug/Kg		100	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	36.84		ug/Kg		94	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.563		ug/Kg		104	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.064		ug/Kg		98	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*96.1*		*20 - 150*
13C5 PFPeA	*95.5*		*20 - 150*
13C5 PFHxA	*88.7*		*20 - 150*
13C4 PFHpA	*107*		*20 - 150*
13C8 PFOA	*89.2*		*20 - 150*
13C9 PFNA	*94.2*		*20 - 150*
13C6 PFDA	*93.6*		*20 - 150*
13C7 PFUnA	*162*	*	*20 - 150*
13C2 PFTeDA	*83.8*		*20 - 150*
13C3 PFBS	*105*		*20 - 150*
13C3 PFHxS	*85.4*		*20 - 150*
13C8 PFOS	*90.4*		*20 - 150*
13C8 FOSA	*86.4*		*20 - 150*
d3-NMeFOSAA	*93.7*		*20 - 150*
d5-NEtFOSAA	*95.2*		*20 - 150*
M2-4:2 FTS	*100*		*20 - 150*
M2-6:2 FTS	*101*		*20 - 150*
M2-8:2 FTS	*94.0*		*20 - 150*
13C3 HFPO-DA	*97.0*		*20 - 150*
d7-N-MeFOSE-M	*69.6*		*20 - 150*
d9-N-EtFOSE-M	*62.8*		*20 - 150*
d5-NEtPFOSA	*72.3*		*20 - 150*
d3-NMePFOSA	*86.2*		*20 - 150*
13C2-PFDoDA	*91.3*		*20 - 150*

Lab Sample ID: LLCS 240-650801/2-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.565		ug/Kg		113	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.270		ug/Kg		108	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.148		ug/Kg		118	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.122	J	ug/Kg		98	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.140		ug/Kg		112	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.149		ug/Kg		119	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.160		ug/Kg		128	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.125	0.0934	J	ug/Kg		75	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-650801/2-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	0.125	0.157		ug/Kg		126	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.149		ug/Kg		119	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.156		ug/Kg		125	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.114	J	ug/Kg		103	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.154		ug/Kg		131	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.160		ug/Kg		140	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.147		ug/Kg		124	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.139		ug/Kg		120	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.135		ug/Kg		112	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.131		ug/Kg		108	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.507		ug/Kg		108	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.563		ug/Kg		118	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.541		ug/Kg		113	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.144		ug/Kg		115	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.124	J	ug/Kg		99	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.141		ug/Kg		113	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.148		ug/Kg		118	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.148		ug/Kg		118	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.329		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.514		ug/Kg		121	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.546		ug/Kg		109	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.540		ug/Kg		114	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.267		ug/Kg		107	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.279		ug/Kg		111	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.510		ug/Kg		109	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.518		ug/Kg		110	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.259		ug/Kg		116	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.545	J	ug/Kg		87	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-650801/2-A
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.203		ug/Kg		102	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	3.165		ug/Kg		101	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.143		ug/Kg		119	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.260		ug/Kg		104	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*96.4*		*20 - 150*
13C5 PFPeA	*100*		*20 - 150*
13C5 PFHxA	*92.7*		*20 - 150*
13C4 PFHpA	*111*		*20 - 150*
13C8 PFOA	*89.6*		*20 - 150*
13C9 PFNA	*93.2*		*20 - 150*
13C6 PFDA	*92.3*		*20 - 150*
13C7 PFUnA	*152*	*	*20 - 150*
13C2 PFTeDA	*82.4*		*20 - 150*
13C3 PFBS	*102*		*20 - 150*
13C3 PFHxS	*83.7*		*20 - 150*
13C8 PFOS	*88.9*		*20 - 150*
13C8 FOSA	*87.0*		*20 - 150*
d3-NMeFOSAA	*95.6*		*20 - 150*
d5-NEtFOSAA	*95.6*		*20 - 150*
M2-4:2 FTS	*109*		*20 - 150*
M2-6:2 FTS	*99.9*		*20 - 150*
M2-8:2 FTS	*102*		*20 - 150*
13C3 HFPO-DA	*98.3*		*20 - 150*
d7-N-MeFOSE-M	*67.2*		*20 - 150*
d9-N-EtFOSE-M	*61.2*		*20 - 150*
d5-NEtPFOSA	*71.5*		*20 - 150*
d3-NMePFOSA	*88.1*		*20 - 150*
13C2-PFDoDA	*87.8*		*20 - 150*

Lab Sample ID: 480-228410-A-2-B DU
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.79	U	0.77	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.39	U	0.39	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorooctanoic acid (PFOA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorononanoic acid (PFNA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorodecanoic acid (PFDA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.19	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-228410-A-2-B DU
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorododecanoic acid (PFDoA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorotridecanoic acid (PFTrDA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.064	J	0.0795	J	ug/Kg	☼	21	30
Perfluorononanesulfonic acid (PFNS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.20	U	0.19	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.79	U	0.77	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.79	U	0.77	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.79	U	0.77	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.20	U	0.19	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.97	U	1.94	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.97	U	1.94	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.79	U	0.77	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.79	U	0.77	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.39	U	0.39	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.39	U	0.39	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.79	U	0.77	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.79	U	0.77	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.39	U	0.39	U	ug/Kg	☼	NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.98	U	0.97	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 480-228410-A-2-B DU
Matrix: Solid
Analysis Batch: 650992

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 650801

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropentylpropanoic acid (5:3 FTCA)	4.91	U		4.84	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	4.91	U		4.84	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.20	U		0.19	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.39	U		0.39	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*91.0*		*20 - 150*
13C5 PFPeA	*93.1*		*20 - 150*
13C5 PFHxA	*83.2*		*20 - 150*
13C4 PFHpA	*103*		*20 - 150*
13C8 PFOA	*78.7*		*20 - 150*
13C9 PFNA	*88.5*		*20 - 150*
13C6 PFDA	*85.8*		*20 - 150*
13C7 PFUnA	*150*		*20 - 150*
13C2 PFTeDA	*73.2*		*20 - 150*
13C3 PFBS	*97.5*		*20 - 150*
13C3 PFHxS	*76.8*		*20 - 150*
13C8 PFOS	*80.7*		*20 - 150*
13C8 FOSA	*80.1*		*20 - 150*
d3-NMeFOSAA	*88.5*		*20 - 150*
d5-NEtFOSAA	*91.4*		*20 - 150*
M2-4:2 FTS	*107*		*20 - 150*
M2-6:2 FTS	*96.1*		*20 - 150*
M2-8:2 FTS	*94.4*		*20 - 150*
13C3 HFPO-DA	*87.1*		*20 - 150*
d7-N-MeFOSE-M	*50.4*		*20 - 150*
d9-N-EtFOSE-M	*42.2*		*20 - 150*
d5-NEtPFOSA	*68.4*		*20 - 150*
d3-NMePFOSA	*81.3*		*20 - 150*
13C2-PFDoDA	*84.5*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1029462/1-A
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Calcium	100	U	100	40.7	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/03/25 07:06	04/04/25 13:22	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1029462/1-A
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Magnesium	100	U	100	10.2	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Manganese	4.0	U	4.0	0.40	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Potassium	100	U	100	16.2	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Sodium	100	U	100	45.7	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/03/25 07:06	04/04/25 13:22	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/03/25 07:06	04/04/25 13:22	1

Lab Sample ID: LCSSRM 460-1029462/2-A ^3
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	5624		mg/Kg		82.2	53.2 - 146.2
Antimony	131	68.00		mg/Kg		51.9	4.5 - 195.4
Arsenic	192	177.0		mg/Kg		92.2	81.3 - 118.8
Barium	219	255.6		mg/Kg		116.7	81.7 - 118.3
Beryllium	146	141.4		mg/Kg		96.9	82.2 - 117.8
Cadmium	114	109.8		mg/Kg		96.3	81.7 - 118.4
Calcium	4080	4092		mg/Kg		100.3	82.4 - 117.6
Chromium	153	146.6		mg/Kg		95.8	81.0 - 119.0
Cobalt	231	227.3		mg/Kg		98.4	83.1 - 117.3
Copper	91.2	88.33		mg/Kg		96.9	83.1 - 117.3
Iron	7020	5695		mg/Kg		81.1	60.7 - 139.2
Lead	141	131.2		mg/Kg		93.1	81.6 - 118.4
Magnesium	1900	1698		mg/Kg		89.4	76.3 - 123.7
Manganese	401	382.0		mg/Kg		95.3	80.8 - 119.0
Nickel	143	144.5		mg/Kg		101.1	81.8 - 118.9
Potassium	1760	1517		mg/Kg		86.2	72.2 - 127.8

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1029462/2-A ^3
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	94.7	97.35		mg/Kg		102.8	78.5 - 121.4
Silver	77.0	74.53		mg/Kg		96.8	79.4 - 120.6
Sodium	661	624.5		mg/Kg		94.5	73.7 - 126.2
Thallium	183	183.3		mg/Kg		100.2	80.3 - 119.7
Vanadium	159	148.2		mg/Kg		93.2	78.6 - 122.0
Zinc	292	287.1		mg/Kg		98.3	79.8 - 120.2

Lab Sample ID: 460-323209-A-1-F MS
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	14100		581	17550	4	mg/Kg	☼	599	75 - 125
Antimony	0.25	J	5.81	2.23	N	mg/Kg	☼	34	75 - 125
Arsenic	13.4		11.6	21.63	N	mg/Kg	☼	71	75 - 125
Barium	55.6		11.6	68.96	4	mg/Kg	☼	115	75 - 125
Beryllium	1.3		5.81	5.95		mg/Kg	☼	80	75 - 125
Cadmium	0.20	J	5.81	4.77		mg/Kg	☼	79	75 - 125
Calcium	13200		581	6728	4	mg/Kg	☼	-1110	75 - 125
Chromium	17.2		11.6	25.80	N	mg/Kg	☼	74	75 - 125
Cobalt	20.0		5.81	23.21	N	mg/Kg	☼	55	75 - 125
Copper	19.3		11.6	27.93		mg/Kg	☼	75	75 - 125
Iron	33200		581	31530	4	mg/Kg	☼	-282	75 - 125
Lead	15.9		5.81	20.91		mg/Kg	☼	86	75 - 125
Magnesium	2330		581	3236	4	mg/Kg	☼	156	75 - 125
Manganese	886		58.1	923.9	4	mg/Kg	☼	64	75 - 125
Nickel	25.6		11.6	34.19	N	mg/Kg	☼	74	75 - 125
Potassium	1120		581	1754		mg/Kg	☼	109	75 - 125
Selenium	0.36	J	11.6	10.74		mg/Kg	☼	89	75 - 125
Silver	0.46	U	5.81	4.79		mg/Kg	☼	82	75 - 125
Sodium	116	U	581	461.4		mg/Kg	☼	79	75 - 125
Thallium	0.46		4.65	4.24		mg/Kg	☼	81	75 - 125
Vanadium	27.5		11.6	37.29		mg/Kg	☼	84	75 - 125
Zinc	81.4		58.1	120.5	N	mg/Kg	☼	67	75 - 125

Lab Sample ID: 460-323209-A-1-E DU
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	14100		14790		mg/Kg	☼	5	20
Antimony	0.25	J	0.287	J	mg/Kg	☼	14	20
Arsenic	13.4		14.36		mg/Kg	☼	7	20
Barium	55.6		62.47		mg/Kg	☼	12	20
Beryllium	1.3		1.34		mg/Kg	☼	2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323209-A-1-E DU
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1029462

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.20	J	0.204	J	mg/Kg	☼	2	20
Calcium	13200		6820	*	mg/Kg	☼	64	20
Chromium	17.2		20.35		mg/Kg	☼	17	20
Cobalt	20.0		18.89		mg/Kg	☼	6	20
Copper	19.3		19.88		mg/Kg	☼	3	20
Iron	33200		33970		mg/Kg	☼	2	20
Lead	15.9		17.29		mg/Kg	☼	8	20
Magnesium	2330		2668		mg/Kg	☼	14	20
Manganese	886		935.3		mg/Kg	☼	5	20
Nickel	25.6		24.76		mg/Kg	☼	3	20
Potassium	1120		1141		mg/Kg	☼	2	20
Selenium	0.36	J	0.374	J	mg/Kg	☼	4	20
Silver	0.46	U	0.46	U	mg/Kg	☼	NC	20
Sodium	116	U	116	U	mg/Kg	☼	NC	20
Thallium	0.46		0.487		mg/Kg	☼	5	20
Vanadium	27.5		32.58		mg/Kg	☼	17	20
Zinc	81.4		75.57		mg/Kg	☼	7	20

Lab Sample ID: MB 460-1029467/1-A
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1029467

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Calcium	100	U	100	40.7	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Magnesium	100	U	100	10.2	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Manganese	4.0	U	4.0	0.40	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Potassium	100	U	100	16.2	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Sodium	100	U	100	45.7	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/03/25 08:06	04/04/25 14:49	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/03/25 08:06	04/04/25 14:49	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1029467/2-A ^3
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1029467

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	5653		mg/Kg		82.6	53.2 - 146.2
Antimony	131	67.26		mg/Kg		51.3	4.5 - 195.4
Arsenic	192	180.4		mg/Kg		93.9	81.3 - 118.8
Barium	219	258.1		mg/Kg		117.8	81.7 - 118.3
Beryllium	146	141.5		mg/Kg		96.9	82.2 - 117.8
Cadmium	114	108.6		mg/Kg		95.3	81.7 - 118.4
Calcium	4080	4050		mg/Kg		99.3	82.4 - 117.6
Chromium	153	147.8		mg/Kg		96.6	81.0 - 119.0
Cobalt	231	227.7		mg/Kg		98.6	83.1 - 117.3
Copper	91.2	87.78		mg/Kg		96.2	83.1 - 117.3
Iron	7020	5678		mg/Kg		80.9	60.7 - 139.2
Lead	141	128.9		mg/Kg		91.4	81.6 - 118.4
Magnesium	1900	1701		mg/Kg		89.5	76.3 - 123.7
Manganese	401	384.2		mg/Kg		95.8	80.8 - 119.0
Nickel	143	144.6		mg/Kg		101.1	81.8 - 118.9
Potassium	1760	1486		mg/Kg		84.4	72.2 - 127.8
Selenium	94.7	99.44		mg/Kg		105.0	78.5 - 121.4
Silver	77.0	73.43		mg/Kg		95.4	79.4 - 120.6
Sodium	661	594.1		mg/Kg		89.9	73.7 - 126.2
Thallium	183	181.8		mg/Kg		99.4	80.3 - 119.7
Vanadium	159	149.1		mg/Kg		93.8	78.6 - 122.0
Zinc	292	289.2		mg/Kg		99.1	79.8 - 120.2

Lab Sample ID: 460-323237-A-3-C MS
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1430		531	2347	N	mg/Kg	☼	172	75 - 125
Antimony	1.1	U	5.31	3.58	N	mg/Kg	☼	68	75 - 125
Arsenic	1.9		10.6	10.40		mg/Kg	☼	80	75 - 125
Barium	4.7		10.6	14.46		mg/Kg	☼	92	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323237-A-3-C MS
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1029467

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.12	J	5.31	4.49		mg/Kg	☼	82	75 - 125
Cadmium	0.18	J	5.31	4.61		mg/Kg	☼	84	75 - 125
Calcium	105	J	531	582.9		mg/Kg	☼	90	75 - 125
Chromium	17.0		10.6	20.80	N	mg/Kg	☼	36	75 - 125
Cobalt	0.90	J	5.31	5.41		mg/Kg	☼	85	75 - 125
Copper	3.1		10.6	13.07		mg/Kg	☼	94	75 - 125
Iron	4130		531	4187	4	mg/Kg	☼	11	75 - 125
Lead	1.9		5.31	6.41		mg/Kg	☼	85	75 - 125
Magnesium	217		531	700.3		mg/Kg	☼	91	75 - 125
Manganese	37.3		53.1	83.20		mg/Kg	☼	86	75 - 125
Nickel	1.6	J	10.6	10.66		mg/Kg	☼	85	75 - 125
Potassium	120		531	606.8		mg/Kg	☼	92	75 - 125
Selenium	1.3	U	10.6	9.44		mg/Kg	☼	89	75 - 125
Silver	0.42	U	5.31	4.52		mg/Kg	☼	85	75 - 125
Sodium	106	U	531	450.6		mg/Kg	☼	85	75 - 125
Thallium	0.42	U	4.24	3.51		mg/Kg	☼	83	75 - 125
Vanadium	5.6		10.6	12.99	N	mg/Kg	☼	70	75 - 125
Zinc	12.3		53.1	58.28		mg/Kg	☼	87	75 - 125

Lab Sample ID: 460-323237-A-3-B DU
Matrix: Solid
Analysis Batch: 1029788

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1029467

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	1430		1087	*	mg/Kg	☼	28	20
Antimony	1.1	U	1.1	U	mg/Kg	☼	NC	20
Arsenic	1.9		0.625	J *	mg/Kg	☼	103	20
Barium	4.7		3.72		mg/Kg	☼	22	20
Beryllium	0.12	J	0.0890	J	mg/Kg	☼	30	20
Cadmium	0.18	J	0.127	J	mg/Kg	☼	33	20
Calcium	105	J	65.18	J	mg/Kg	☼	47	20
Chromium	17.0		6.13	*	mg/Kg	☼	94	20
Cobalt	0.90	J	0.699	J	mg/Kg	☼	25	20
Copper	3.1		2.15		mg/Kg	☼	36	20
Iron	4130		2273	*	mg/Kg	☼	58	20
Lead	1.9		1.19	*	mg/Kg	☼	46	20
Magnesium	217		195.8		mg/Kg	☼	10	20
Manganese	37.3		33.26		mg/Kg	☼	12	20
Nickel	1.6	J	1.29	J	mg/Kg	☼	23	20
Potassium	120		99.67	J	mg/Kg	☼	18	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	0.42	U	0.42	U	mg/Kg	☼	NC	20
Sodium	106	U	106	U	mg/Kg	☼	NC	20
Thallium	0.42	U	0.42	U	mg/Kg	☼	NC	20
Vanadium	5.6		2.19	*	mg/Kg	☼	87	20
Zinc	12.3		8.61		mg/Kg	☼	35	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1030091/10-A
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030091

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/07/25 00:52	04/07/25 04:14	1

Lab Sample ID: LCSSRM 460-1030091/11-A ^40
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030091

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.82		mg/Kg		98.0	69.6 - 130.5

Lab Sample ID: 460-322928-A-1-O MS
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030091

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.027		0.0880	0.114		mg/Kg	☼	99	80 - 120

Lab Sample ID: 460-322928-A-1-N DU
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1030091

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.027		0.0295		mg/Kg	☼	10	20

Lab Sample ID: MB 460-1030092/1-A
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/07/25 01:16	04/07/25 05:06	1

Lab Sample ID: LCSSRM 460-1030092/2-A ^40
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030092

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.96		mg/Kg		99.0	69.6 - 130.5

Lab Sample ID: 460-322917-E-1-P MS
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030092

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.017	U	0.0813	0.0801		mg/Kg	☼	98	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-322917-E-1-O DU
Matrix: Solid
Analysis Batch: 1030146

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1030092

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.017	U		0.017	U	mg/Kg	☼			NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323241-A-11 DU
Matrix: Solid
Analysis Batch: 1029495

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.9			9.1		%				3	20
Percent Solids	91.1			90.9		%				0.2	20

Lab Sample ID: 460-323345-A-5 DU
Matrix: Solid
Analysis Batch: 1029495

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.3			4.0	*	%				28	20
Percent Solids	94.7			96.0		%				1	20

GC/MS Semi VOA

Prep Batch: 1029397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	3546	
460-323252-2	7A_5-10	Total/NA	Solid	3546	
460-323252-3	7B_0-5	Total/NA	Solid	3546	
460-323252-4	7B_5-10	Total/NA	Solid	3546	
460-323252-5	7C_0-2	Total/NA	Solid	3546	
460-323252-6	7C_2-4	Total/NA	Solid	3546	
460-323252-7	7D_0-5	Total/NA	Solid	3546	
460-323252-8	7D_5-10	Total/NA	Solid	3546	
MB 460-1029397/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1029397/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1029397/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323130-C-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-323130-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1029460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	8270E	1029397
460-323252-2	7A_5-10	Total/NA	Solid	8270E	1029397
460-323252-3	7B_0-5	Total/NA	Solid	8270E	1029397
460-323252-4	7B_5-10	Total/NA	Solid	8270E	1029397
460-323252-5	7C_0-2	Total/NA	Solid	8270E	1029397
460-323252-6	7C_2-4	Total/NA	Solid	8270E	1029397
460-323252-7	7D_0-5	Total/NA	Solid	8270E	1029397
460-323252-8	7D_5-10	Total/NA	Solid	8270E	1029397
MB 460-1029397/1-A	Method Blank	Total/NA	Solid	8270E	1029397
LCS 460-1029397/2-A	Lab Control Sample	Total/NA	Solid	8270E	1029397
LCSD 460-1029397/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1029397
460-323130-C-1-D MS	Matrix Spike	Total/NA	Solid	8270E	1029397
460-323130-C-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1029397

GC Semi VOA

Prep Batch: 1029367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	3546	
460-323252-2	7A_5-10	Total/NA	Solid	3546	
460-323252-3	7B_0-5	Total/NA	Solid	3546	
460-323252-4	7B_5-10	Total/NA	Solid	3546	
460-323252-5	7C_0-2	Total/NA	Solid	3546	
460-323252-6	7C_2-4	Total/NA	Solid	3546	
460-323252-7	7D_0-5	Total/NA	Solid	3546	
460-323252-8	7D_5-10	Total/NA	Solid	3546	
MB 460-1029367/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1029367/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1029367/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323239-E-4-A MS	Matrix Spike	Total/NA	Solid	3546	
460-323239-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1029373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1029373 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-2	7A_5-10	Total/NA	Solid	3546	
460-323252-3	7B_0-5	Total/NA	Solid	3546	
460-323252-4	7B_5-10	Total/NA	Solid	3546	
460-323252-5	7C_0-2	Total/NA	Solid	3546	
460-323252-6	7C_2-4	Total/NA	Solid	3546	
460-323252-7	7D_0-5	Total/NA	Solid	3546	
460-323252-8	7D_5-10	Total/NA	Solid	3546	
MB 460-1029373/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1029373/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1029373/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323130-C-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-323130-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1029428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	8081B	1029373
460-323252-2	7A_5-10	Total/NA	Solid	8081B	1029373
460-323252-3	7B_0-5	Total/NA	Solid	8081B	1029373
460-323252-4	7B_5-10	Total/NA	Solid	8081B	1029373
460-323252-5	7C_0-2	Total/NA	Solid	8081B	1029373
460-323252-6	7C_2-4	Total/NA	Solid	8081B	1029373
460-323252-7	7D_0-5	Total/NA	Solid	8081B	1029373
460-323252-8	7D_5-10	Total/NA	Solid	8081B	1029373
MB 460-1029373/1-A	Method Blank	Total/NA	Solid	8081B	1029373
LCS 460-1029373/2-A	Lab Control Sample	Total/NA	Solid	8081B	1029373
LCSD 460-1029373/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1029373
460-323130-C-1-A MS	Matrix Spike	Total/NA	Solid	8081B	1029373
460-323130-C-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1029373

Analysis Batch: 1029572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	8082A	1029367
460-323252-2	7A_5-10	Total/NA	Solid	8082A	1029367
460-323252-3	7B_0-5	Total/NA	Solid	8082A	1029367
460-323252-4	7B_5-10	Total/NA	Solid	8082A	1029367
460-323252-5	7C_0-2	Total/NA	Solid	8082A	1029367
460-323252-6	7C_2-4	Total/NA	Solid	8082A	1029367
460-323252-7	7D_0-5	Total/NA	Solid	8082A	1029367
460-323252-8	7D_5-10	Total/NA	Solid	8082A	1029367
MB 460-1029367/1-A	Method Blank	Total/NA	Solid	8082A	1029367
LCS 460-1029367/2-A	Lab Control Sample	Total/NA	Solid	8082A	1029367
LCSD 460-1029367/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1029367
460-323239-E-4-A MS	Matrix Spike	Total/NA	Solid	8082A	1029367
460-323239-E-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1029367

LCMS

Prep Batch: 650801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	1633 Shake	
460-323252-2	7A_5-10	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 650801 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-3	7B_0-5	Total/NA	Solid	1633 Shake	
460-323252-4	7B_5-10	Total/NA	Solid	1633 Shake	
460-323252-5	7C_0-2	Total/NA	Solid	1633 Shake	
460-323252-6	7C_2-4	Total/NA	Solid	1633 Shake	
460-323252-7	7D_0-5	Total/NA	Solid	1633 Shake	
460-323252-8	7D_5-10	Total/NA	Solid	1633 Shake	
MB 240-650801/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-650801/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-650801/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
480-228410-A-2-B DU	Duplicate	Total/NA	Solid	1633 Shake	

Analysis Batch: 650992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	1633	650801
460-323252-2	7A_5-10	Total/NA	Solid	1633	650801
460-323252-3	7B_0-5	Total/NA	Solid	1633	650801
460-323252-4	7B_5-10	Total/NA	Solid	1633	650801
460-323252-5	7C_0-2	Total/NA	Solid	1633	650801
460-323252-6	7C_2-4	Total/NA	Solid	1633	650801
460-323252-7	7D_0-5	Total/NA	Solid	1633	650801
460-323252-8	7D_5-10	Total/NA	Solid	1633	650801
MB 240-650801/1-A	Method Blank	Total/NA	Solid	1633	650801
LCS 240-650801/3-A	Lab Control Sample	Total/NA	Solid	1633	650801
LLCS 240-650801/2-A	Lab Control Sample	Total/NA	Solid	1633	650801
480-228410-A-2-B DU	Duplicate	Total/NA	Solid	1633	650801

Metals

Prep Batch: 1029462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	3050B	
460-323252-2	7A_5-10	Total/NA	Solid	3050B	
460-323252-3	7B_0-5	Total/NA	Solid	3050B	
MB 460-1029462/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1029462/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-323209-A-1-F MS	Matrix Spike	Total/NA	Solid	3050B	
460-323209-A-1-E DU	Duplicate	Total/NA	Solid	3050B	

Prep Batch: 1029467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-4	7B_5-10	Total/NA	Solid	3050B	
460-323252-5	7C_0-2	Total/NA	Solid	3050B	
460-323252-6	7C_2-4	Total/NA	Solid	3050B	
460-323252-7	7D_0-5	Total/NA	Solid	3050B	
460-323252-8	7D_5-10	Total/NA	Solid	3050B	
MB 460-1029467/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1029467/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-323237-A-3-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-323237-A-3-B DU	Duplicate	Total/NA	Solid	3050B	

Metals

Analysis Batch: 1029788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	6020B	1029462
460-323252-2	7A_5-10	Total/NA	Solid	6020B	1029462
460-323252-3	7B_0-5	Total/NA	Solid	6020B	1029462
460-323252-4	7B_5-10	Total/NA	Solid	6020B	1029467
460-323252-5	7C_0-2	Total/NA	Solid	6020B	1029467
460-323252-6	7C_2-4	Total/NA	Solid	6020B	1029467
460-323252-7	7D_0-5	Total/NA	Solid	6020B	1029467
460-323252-8	7D_5-10	Total/NA	Solid	6020B	1029467
MB 460-1029462/1-A	Method Blank	Total/NA	Solid	6020B	1029462
MB 460-1029467/1-A	Method Blank	Total/NA	Solid	6020B	1029467
LCSSRM 460-1029462/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1029462
LCSSRM 460-1029467/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1029467
460-323209-A-1-F MS	Matrix Spike	Total/NA	Solid	6020B	1029462
460-323237-A-3-C MS	Matrix Spike	Total/NA	Solid	6020B	1029467
460-323209-A-1-E DU	Duplicate	Total/NA	Solid	6020B	1029462
460-323237-A-3-B DU	Duplicate	Total/NA	Solid	6020B	1029467

Prep Batch: 1030091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	7471B	
460-323252-2	7A_5-10	Total/NA	Solid	7471B	
460-323252-3	7B_0-5	Total/NA	Solid	7471B	
460-323252-4	7B_5-10	Total/NA	Solid	7471B	
460-323252-5	7C_0-2	Total/NA	Solid	7471B	
MB 460-1030091/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030091/11-A	Lab Control Sample	Total/NA	Solid	7471B	
460-322928-A-1-O MS	Matrix Spike	Total/NA	Solid	7471B	
460-322928-A-1-N DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1030092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-6	7C_2-4	Total/NA	Solid	7471B	
460-323252-7	7D_0-5	Total/NA	Solid	7471B	
460-323252-8	7D_5-10	Total/NA	Solid	7471B	
MB 460-1030092/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030092/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-322917-E-1-P MS	Matrix Spike	Total/NA	Solid	7471B	
460-322917-E-1-O DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1030146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	7471B	1030091
460-323252-2	7A_5-10	Total/NA	Solid	7471B	1030091
460-323252-3	7B_0-5	Total/NA	Solid	7471B	1030091
460-323252-4	7B_5-10	Total/NA	Solid	7471B	1030091
460-323252-5	7C_0-2	Total/NA	Solid	7471B	1030091
460-323252-6	7C_2-4	Total/NA	Solid	7471B	1030092
460-323252-7	7D_0-5	Total/NA	Solid	7471B	1030092
460-323252-8	7D_5-10	Total/NA	Solid	7471B	1030092
MB 460-1030091/10-A	Method Blank	Total/NA	Solid	7471B	1030091
MB 460-1030092/1-A	Method Blank	Total/NA	Solid	7471B	1030092

Metals (Continued)

Analysis Batch: 1030146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-1030091/11-A	Lab Control Sample	Total/NA	Solid	7471B	1030091
LCSSRM 460-1030092/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1030092
460-322917-E-1-P MS	Matrix Spike	Total/NA	Solid	7471B	1030092
460-322928-A-1-O MS	Matrix Spike	Total/NA	Solid	7471B	1030091
460-322917-E-1-O DU	Duplicate	Total/NA	Solid	7471B	1030092
460-322928-A-1-N DU	Duplicate	Total/NA	Solid	7471B	1030091

General Chemistry

Analysis Batch: 1029495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323252-1	7A_0-5	Total/NA	Solid	Moisture	
460-323252-2	7A_5-10	Total/NA	Solid	Moisture	
460-323252-3	7B_0-5	Total/NA	Solid	Moisture	
460-323252-4	7B_5-10	Total/NA	Solid	Moisture	
460-323252-5	7C_0-2	Total/NA	Solid	Moisture	
460-323252-6	7C_2-4	Total/NA	Solid	Moisture	
460-323252-7	7D_0-5	Total/NA	Solid	Moisture	
460-323252-8	7D_5-10	Total/NA	Solid	Moisture	
460-322954-A-7 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-322954-A-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323241-A-11 DU	Duplicate	Total/NA	Solid	Moisture	
460-323345-A-5 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7A_0-5
Date Collected: 04/01/25 10:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-1
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 09:20
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 09:27
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 20:55
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 19:51
Total/NA	Prep	3050B			1029462	FBT	EET EDI	04/03/25 07:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 14:35
Total/NA	Prep	7471B			1030091	TJS	EET EDI	04/07/25 00:52
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 04:48

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7A_5-10
Date Collected: 04/01/25 10:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-2
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 09:42
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 09:40
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 21:11
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 20:07
Total/NA	Prep	3050B			1029462	FBT	EET EDI	04/03/25 07:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 14:38
Total/NA	Prep	7471B			1030091	TJS	EET EDI	04/07/25 00:52
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 04:50

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7B_0-5
Date Collected: 04/01/25 10:20
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-3
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 10:04
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 09:52
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 21:28
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 20:24
Total/NA	Prep	3050B			1029462	FBT	EET EDI	04/03/25 07:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 14:40
Total/NA	Prep	7471B			1030091	TJS	EET EDI	04/07/25 00:52
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 04:52

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7B_5-10
Date Collected: 04/01/25 10:30
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-4
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 10:26
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 10:04
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 21:45
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 20:41
Total/NA	Prep	3050B			1029467	FBT	EET EDI	04/03/25 08:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 15:54
Total/NA	Prep	7471B			1030091	TJS	EET EDI	04/07/25 00:52
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 04:57

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Client Sample ID: 7C_0-2
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7C_0-2
Date Collected: 04/01/25 10:40
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-5
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 10:48
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 10:17
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 22:02
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 20:57
Total/NA	Prep	3050B			1029467	FBT	EET EDI	04/03/25 08:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 15:56
Total/NA	Prep	7471B			1030091	TJS	EET EDI	04/07/25 00:52
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 04:59

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7C_2-4
Date Collected: 04/01/25 10:50
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-6
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 11:11
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 10:29
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 22:18
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 21:14
Total/NA	Prep	3050B			1029467	FBT	EET EDI	04/03/25 08:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 15:59
Total/NA	Prep	7471B			1030092	TJS	EET EDI	04/07/25 01:16
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 05:21

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7D_0-5
Date Collected: 04/01/25 11:00
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-7
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 11:33
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 10:41
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 22:35
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 21:30
Total/NA	Prep	3050B			1029467	FBT	EET EDI	04/03/25 08:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 16:01
Total/NA	Prep	7471B			1030092	TJS	EET EDI	04/07/25 01:16
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 05:23

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029495	DAN	EET EDI	04/03/25 09:08

Client Sample ID: 7D_5-10
Date Collected: 04/01/25 11:10
Date Received: 04/01/25 19:10

Lab Sample ID: 460-323252-8
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1029397	GXY	EET EDI	04/02/25 20:41
Total/NA	Analysis	8270E		1	1029460	DXD	EET EDI	04/03/25 11:55
Total/NA	Prep	3546			1029373	ARA	EET EDI	04/02/25 18:36
Total/NA	Analysis	8081B		1	1029428	FAM	EET EDI	04/03/25 10:53
Total/NA	Prep	3546			1029367	ARA	EET EDI	04/02/25 18:21
Total/NA	Analysis	8082A		1	1029572	SAK	EET EDI	04/03/25 22:52
Total/NA	Prep	1633 Shake			650801	KML	EET CLE	04/03/25 14:48
Total/NA	Analysis	1633		1	650992	LD	EET CLE	04/04/25 22:20
Total/NA	Prep	3050B			1029467	FBT	EET EDI	04/03/25 08:06
Total/NA	Analysis	6020B		1	1029788	CDC	EET EDI	04/04/25 16:04
Total/NA	Prep	7471B			1030092	TJS	EET EDI	04/07/25 01:16
Total/NA	Analysis	7471B		1	1030146	TJS	EET EDI	04/07/25 05:24

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323252-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323252-1	7A_0-5	Solid	04/01/25 10:00	04/01/25 19:10
460-323252-2	7A_5-10	Solid	04/01/25 10:10	04/01/25 19:10
460-323252-3	7B_0-5	Solid	04/01/25 10:20	04/01/25 19:10
460-323252-4	7B_5-10	Solid	04/01/25 10:30	04/01/25 19:10
460-323252-5	7C_0-2	Solid	04/01/25 10:40	04/01/25 19:10
460-323252-6	7C_2-4	Solid	04/01/25 10:50	04/01/25 19:10
460-323252-7	7D_0-5	Solid	04/01/25 11:00	04/01/25 19:10
460-323252-8	7D_5-10	Solid	04/01/25 11:10	04/01/25 19:10

Chain of Custody Record 743775

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Address _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

323252

TAL-8210

Client Contact	Project Manager: Thomas C. Sullivan	Site Contact:	Date:	COC No:
Company Name: HLA of NY	Tel/Email	Lab Contact:	Carrier:	____ of ____ COCs
Address: 2 3W 35th 7Floor	Analysis Turnaround Time			Sampler:
City/State/Zip: NY NY	☐ CALENDAR DAYS ☐ WORKING DAYS			
Phone: tg 0 9xno@hudsonld.com	A different from Below _____			
Fax: sbell@hudsonld.com	☐ weeks			
Project Name: Former Building 61	☒ week			
Site: 4101 A the Kill Road	☐ days			
PO#: 0708988 000 006 22	☐ 1 day			

460-323252 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL SVOCs	TAL Metals	PCBs	Pest 608	PFAS Method 1633	Sample Specific Notes
7A_0 5	4/1/25	1000	C	S	1			X	X	X	X	X	1
7A S 10		1											2
7B 0 5		02											3
7B S 10		3											4
7C 0		10											5
7C - 4		5											6
7D 0		20											7
7D S 10		1 12											8

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification

Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temp (°C): Obs'd _____ Corr'd. _____	Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	HLA of NY	4/1/25		EES	4-1-25 16:30
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
	EES	4-1-25 19:0		EES	4/1/25 1900
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time

NCCI 1 of 1 1 C/1 4

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 323252

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials. BM Date 4-1-25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73767 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 1
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323252-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/8/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

PFAS 2089-074

Special Instructions/Note:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers
			Preservation Code:					
7A_0-5 (460-323252-1)	4/1/25	10:00 Eastern	G	Solid			X	1
7A_5-10 (460-323252-2)	4/1/25	10:10 Eastern	G	Solid			X	1
7B_0-5 (460-323252-3)	4/1/25	10:20 Eastern	G	Solid			X	1
7B_5-10 (460-323252-4)	4/1/25	10:30 Eastern	G	Solid			X	1
7C_0-2 (460-323252-5)	4/1/25	10:40 Eastern	G	Solid			X	1
7C_2-4 (460-323252-6)	4/1/25	10:50 Eastern	G	Solid			X	1
7D_0-5 (460-323252-7)	4/1/25	11:00 Eastern	G	Solid			X	1
7D_5-10 (460-323252-8)	4/1/25	11 10 Eastern	G	Solid			X	1

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	4/2/25 1900	FEDEX	KATHARINE MARTIN	4/3/25 910	EUL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Eurofins Edison Site Name

Cooler Received on 413125 Opened on 413125

Cooler unpacked by: KMartin

FedEx: 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

~~Receipt After-hours~~ Drop-off Date/Time ~~Storage Location~~

~~Eurofins Cooler #~~ EC ~~Foam Box Client Cooler Box Other~~

Packing material used. ~~Bubble Wrap~~ (2) Foam Plastic Bag None Other

~~COOLANT~~ ~~Wet Ice~~ (1) ~~Blue Ice Dry Ice Water None~~

1 Cooler temperature upon receipt ☒ See Multiple Cooler Form

IR GUN # 18 (CF -0.1 °C) Observed Cooler Temp. °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
~~-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?~~	~~Yes~~	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3 Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4 Did custody papers accompany the sample(s)?	(Yes)	No
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	(No)
7 Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9 For each sample, does the COC specify preservatives (Y(N), # of containers (Y)N), and sample type of grab/comp(Y)N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11 Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	(Yes)	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form				
Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 18	2.1	2.0	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.8	1.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	

ORIGIN ID:LDJA (732) 549-3900
EUROFINS ENVIRONMENT TESTING EDISON

EUROFINS EDISON
777 NEW DURHAM RD.
EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 02APR25
ACTWGT: 50.00 LB
CAD: 258164585/INET4535

BILL SENDER

TO SAMPLE RECEIVING
EUROFINS
180 SOUTH VAN BUREN AVE

BARBERTON OH 44203
(330) 497-9396 REF:
INV:
PO: DEPT:

58CJ3/459E/C6C4

FedEx Express

J2510241217Hlw

2 of 3

MPS# 0263 8802 6858 2494
Mstr# 8802 6858 2483

THU - 03 APR 10:30A
PRIORITY OVERNIGHT

0201

44203
OH-US CLE

NX CAKA

4460 THU 04/03 08:02 327760
EUROFINS
180 S VAN BUREN AVE
BARBERTON OH
G
44203-3543-80
PRIORITY OVERNIGHT
164-6001
ETP: 1 SHPD:100:Y
1002826 1000412030089026 91

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323252-1

Login Number: 323252
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/14/2025 11:56:57 AM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323430-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/14/2025 11:56:57 AM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323430-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/3/2025 12:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 1.9°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples 10A1_1-2 (460-323430-1), 10A1_3-4 (460-323430-2), 10A1_6-7 (460-323430-3), 10A2_2-3 (460-323430-4), 10A2_5-6 (460-323430-5), 10A3_4-5 (460-323430-6), 10A3_7-8 (460-323430-7), 10B1_2-3 (460-323430-8), 10B1_5-6 (460-323430-9), 10B1_10-11 (460-323430-10), 10B2_3-4 (460-323430-11), 10B2_7-8 (460-323430-12), 10B3_4-5 (460-323430-13), 10B3_11-12 (460-323430-14), 10C1_0-1 (460-323430-15), 10C1_1-2 (460-323430-16), 10C2_2-3 (460-323430-17), 10C2_5-6 (460-323430-18), 10C2_7-8 (460-323430-19), 10C3_2-3 (460-323430-20), 10C3_6-7 (460-323430-21), 10D1_3-4 (460-323430-22), 10D1_7-8 (460-323430-23), 10D2_4-5 (460-323430-24), 10D2_9-10 (460-323430-25), 10D3_0-1 (460-323430-26), 10D3_5-6 (460-323430-27), 10D3_11-12 (460-323430-28), 10E1_4-5 (460-323430-29), 10E1_9-10 (460-323430-30), 10E1_11-12 (460-323430-31), 10E2_2-3 (460-323430-32), 10E2_7-8 (460-323430-33), 10E3_6-7 (460-323430-34), 10E3_9-10 (460-323430-35), 9A1_0-1 (460-323430-36), 9A1_3-4 (460-323430-37), 9A2_4-5 (460-323430-38), 9A2_8-9 (460-323430-39), 9A3_4-5 (460-323430-40), 9A3_7-8 (460-323430-41), 9A3_9-10 (460-323430-42), 9B1_2-3 (460-323430-43), 9B1_6-7 (460-323430-44), 9B2_2-3 (460-323430-45), 9B2_8-9 (460-323430-46), 9B3_3-4 (460-323430-47), 9B3_9-10 (460-323430-48), 9B3_7-8 (460-323430-49), 9C1_1-2 (460-323430-50), 9C1_5-6 (460-323430-51), 9C2_3-4 (460-323430-52), 9C2_6-7 (460-323430-53), 9C2_9-10 (460-323430-54), 9C3_4-5 (460-323430-55), 9C3_8-9 (460-323430-56), 9D1_0-1 (460-323430-57), 9D1_7-8 (460-323430-58), 9D2_3-4 (460-323430-59), 9D2_9-10 (460-323430-60), 9D3_2-3 (460-323430-61), 9D3_5-6 (460-323430-62) and 9D3_7-8 (460-323430-63) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 4/4/2025 and analyzed on 4/9/2025, 4/10/2025 and 4/11/2025.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1030559 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Vinyl chloride. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1030559 recovered above the upper control limit for Bromoform, Chloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1030749 was outside the method criteria for the following analytes: Chlorobromomethane and Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1030749 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1030749 recovered outside control limits for the following analyte: Dichlorodifluoromethane.

The continuing calibration verification (CCV) analyzed in batch 460-1030727 was outside the method criteria for the following analyte: Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the

affected analyte is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-1030761 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1030761 recovered outside control limits for the following analytes: Chloroethane and Vinyl chloride. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-1030982 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1030982 recovered outside control limits for Methyl acetate. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method Moisture - Percent Moisture
Samples 10A1_1-2 (460-323430-1), 10A1_3-4 (460-323430-2), 10A1_6-7 (460-323430-3), 10A2_2-3 (460-323430-4), 10A2_5-6 (460-323430-5), 10A3_4-5 (460-323430-6), 10A3_7-8 (460-323430-7), 10B1_2-3 (460-323430-8), 10B1_5-6 (460-323430-9), 10B1_10-11 (460-323430-10), 10B2_3-4 (460-323430-11), 10B2_7-8 (460-323430-12), 10B3_4-5 (460-323430-13), 10B3_11-12 (460-323430-14), 10C1_0-1 (460-323430-15), 10C1_1-2 (460-323430-16), 10C2_2-3 (460-323430-17), 10C2_5-6 (460-323430-18), 10C2_7-8 (460-323430-19), 10C3_2-3 (460-323430-20), 10C3_6-7 (460-323430-21), 10D1_3-4 (460-323430-22), 10D1_7-8 (460-323430-23), 10D2_4-5 (460-323430-24), 10D2_9-10 (460-323430-25), 10D3_0-1 (460-323430-26), 10D3_5-6 (460-323430-27), 10D3_11-12 (460-323430-28), 10E1_4-5 (460-323430-29), 10E1_9-10 (460-323430-30), 10E1_11-12 (460-323430-31), 10E2_2-3 (460-323430-32), 10E2_7-8 (460-323430-33), 10E3_6-7 (460-323430-34), 10E3_9-10 (460-323430-35), 9A1_0-1 (460-323430-36), 9A1_3-4 (460-323430-37), 9A2_4-5 (460-323430-38), 9A2_8-9 (460-323430-39), 9A3_4-5 (460-323430-40), 9A3_7-8 (460-323430-41), 9A3_9-10 (460-323430-42), 9B1_2-3 (460-323430-43), 9B1_6-7 (460-323430-44), 9B2_2-3 (460-323430-45), 9B2_8-9 (460-323430-46), 9B3_3-4 (460-323430-47), 9B3_9-10 (460-323430-48), 9B3_7-8 (460-323430-49), 9C1_1-2 (460-323430-50), 9C1_5-6 (460-323430-51), 9C2_3-4 (460-323430-52), 9C2_6-7 (460-323430-53), 9C2_9-10 (460-323430-54), 9C3_4-5 (460-323430-55), 9C3_8-9 (460-323430-56), 9D1_0-1 (460-323430-57), 9D1_7-8 (460-323430-58), 9D2_3-4 (460-323430-59), 9D2_9-10 (460-323430-60), 9D3_2-3 (460-323430-61), 9D3_5-6 (460-323430-62) and 9D3_7-8 (460-323430-63) were analyzed for Percent Moisture. The samples were analyzed on 4/4/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10A1_1-2 — Lab Sample ID: 460-323430-1

No Detections.

Client Sample ID: 10A1_3-4 — Lab Sample ID: 460-323430-2

No Detections.

Client Sample ID: 10A1_6-7 — Lab Sample ID: 460-323430-3

No Detections.

Client Sample ID: 10A2_2-3 — Lab Sample ID: 460-323430-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0050	J	0.0051	0.0049	mg/Kg	1	☼	8260D	Total/NA
Styrene	0.00028	J	0.00085	0.00024	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 10A2_5-6 — Lab Sample ID: 460-323430-5

No Detections.

Client Sample ID: 10A3_4-5 — Lab Sample ID: 460-323430-6

No Detections.

Client Sample ID: 10A3_7-8 — Lab Sample ID: 460-323430-7

No Detections.

Client Sample ID: 10B1_2-3 — Lab Sample ID: 460-323430-8

No Detections.

Client Sample ID: 10B1_5-6 — Lab Sample ID: 460-323430-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.025		0.0068	0.0065	mg/Kg	1	☼	8260D	Total/NA
Methyl acetate	0.0071		0.0056	0.0049	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 10B1_10-11 — Lab Sample ID: 460-323430-10

No Detections.

Client Sample ID: 10B2_3-4 — Lab Sample ID: 460-323430-11

No Detections.

Client Sample ID: 10B2_7-8 — Lab Sample ID: 460-323430-12

No Detections.

Client Sample ID: 10B3_4-5 — Lab Sample ID: 460-323430-13

No Detections.

Client Sample ID: 10B3_11-12 — Lab Sample ID: 460-323430-14

No Detections.

Client Sample ID: 10C1_0-1 — Lab Sample ID: 460-323430-15

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10C1_1-2 — Lab Sample ID: 460-323430-16

No Detections.

Client Sample ID: 10C2_2-3 — Lab Sample ID: 460-323430-17

No Detections.

Client Sample ID: 10C2_5-6 — Lab Sample ID: 460-323430-18

No Detections.

Client Sample ID: 10C2_7-8 — Lab Sample ID: 460-323430-19

No Detections.

Client Sample ID: 10C3_2-3 — Lab Sample ID: 460-323430-20

No Detections.

Client Sample ID: 10C3_6-7 — Lab Sample ID: 460-323430-21

No Detections.

Client Sample ID: 10D1_3-4 — Lab Sample ID: 460-323430-22

No Detections.

Client Sample ID: 10D1_7-8 — Lab Sample ID: 460-323430-23

No Detections.

Client Sample ID: 10D2_4-5 — Lab Sample ID: 460-323430-24

No Detections.

Client Sample ID: 10D2_9-10 — Lab Sample ID: 460-323430-25

No Detections.

Client Sample ID: 10D3_0-1 — Lab Sample ID: 460-323430-26

No Detections.

Client Sample ID: 10D3_5-6 — Lab Sample ID: 460-323430-27

No Detections.

Client Sample ID: 10D3_11-12 — Lab Sample ID: 460-323430-28

No Detections.

Client Sample ID: 10E1_4-5 — Lab Sample ID: 460-323430-29

No Detections.

Client Sample ID: 10E1_9-10 — Lab Sample ID: 460-323430-30

No Detections.

Client Sample ID: 10E1_11-12 — Lab Sample ID: 460-323430-31

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10E2_2-3 — **Lab Sample ID: 460-323430-32**

No Detections.

Client Sample ID: 10E2_7-8 — **Lab Sample ID: 460-323430-33**

No Detections.

Client Sample ID: 10E3_6-7 — **Lab Sample ID: 460-323430-34**

No Detections.

Client Sample ID: 10E3_9-10 — **Lab Sample ID: 460-323430-35**

No Detections.

Client Sample ID: 9A1_0-1 — **Lab Sample ID: 460-323430-36**

No Detections.

Client Sample ID: 9A1_3-4 — **Lab Sample ID: 460-323430-37**

No Detections.

Client Sample ID: 9A2_4-5 — **Lab Sample ID: 460-323430-38**

No Detections.

Client Sample ID: 9A2_8-9 — **Lab Sample ID: 460-323430-39**

No Detections.

Client Sample ID: 9A3_4-5 — **Lab Sample ID: 460-323430-40**

No Detections.

Client Sample ID: 9A3_7-8 — **Lab Sample ID: 460-323430-41**

No Detections.

Client Sample ID: 9A3_9-10 — **Lab Sample ID: 460-323430-42**

No Detections.

Client Sample ID: 9B1_2-3 — **Lab Sample ID: 460-323430-43**

No Detections.

Client Sample ID: 9B1_6-7 — **Lab Sample ID: 460-323430-44**

No Detections.

Client Sample ID: 9B2_2-3 — **Lab Sample ID: 460-323430-45**

No Detections.

Client Sample ID: 9B2_8-9 — **Lab Sample ID: 460-323430-46**

No Detections.

Client Sample ID: 9B3_3-4 — **Lab Sample ID: 460-323430-47**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B3_9-10 — Lab Sample ID: 460-323430-48

No Detections.

Client Sample ID: 9B3_7-8 — Lab Sample ID: 460-323430-49

No Detections.

Client Sample ID: 9C1_1-2 — Lab Sample ID: 460-323430-50

No Detections.

Client Sample ID: 9C1_5-6 — Lab Sample ID: 460-323430-51

No Detections.

Client Sample ID: 9C2_3-4 — Lab Sample ID: 460-323430-52

No Detections.

Client Sample ID: 9C2_6-7 — Lab Sample ID: 460-323430-53

No Detections.

Client Sample ID: 9C2_9-10 — Lab Sample ID: 460-323430-54

No Detections.

Client Sample ID: 9C3_4-5 — Lab Sample ID: 460-323430-55

No Detections.

Client Sample ID: 9C3_8-9 — Lab Sample ID: 460-323430-56

No Detections.

Client Sample ID: 9D1_0-1 — Lab Sample ID: 460-323430-57

No Detections.

Client Sample ID: 9D1_7-8 — Lab Sample ID: 460-323430-58

No Detections.

Client Sample ID: 9D2_3-4 — Lab Sample ID: 460-323430-59

No Detections.

Client Sample ID: 9D2_9-10 — Lab Sample ID: 460-323430-60

No Detections.

Client Sample ID: 9D3_2-3 — Lab Sample ID: 460-323430-61

No Detections.

Client Sample ID: 9D3_5-6 — Lab Sample ID: 460-323430-62

No Detections.

Client Sample ID: 9D3_7-8 — Lab Sample ID: 460-323430-63

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0024		0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 10A1_1-2
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-1
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chloroethane	0.0010	U *	0.0010	0.00053	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Chloromethane	0.0010	U *	0.0010	0.00044	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1

Client Sample ID: 10A1_1-2

Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-1

Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Vinyl chloride	0.0010	U *	0.0010	0.00056	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/04/25 12:01	04/09/25 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/04/25 12:01*	*04/09/25 19:45*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/04/25 12:01*	*04/09/25 19:45*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/04/25 12:01*	*04/09/25 19:45*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/04/25 12:01*	*04/09/25 19:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.3**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10A1_3-4

Date Collected: 04/02/25 08:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-2

Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,1,2,2-Tetrachloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,1,2-Trichloroethane	0.00079	U	0.00079	0.00048	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,1-Dichloroethane	0.00079	U	0.00079	0.00047	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,1-Dichloroethene	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2,3-Trichlorobenzene	0.00079	U	0.00079	0.00059	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2,4-Trimethylbenzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2-Dibromo-3-Chloropropane	0.00079	U	0.00079	0.00036	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2-Dichloroethane	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,2-Dichloropropane	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,3-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
1,4-Dichlorobenzene	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00029	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Acetone	0.0048	U	0.0048	0.0045	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Benzene	0.00079	U	0.00079	0.00045	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Bromoform	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Bromomethane	0.0016	U	0.0016	0.00079	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1

Client Sample ID: 10A1_3-4
Date Collected: 04/02/25 08:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-2
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00079	U	0.00079	0.00021	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Carbon tetrachloride	0.00079	U	0.00079	0.00031	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chlorobenzene	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chlorobromomethane	0.00079	U	0.00079	0.00047	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chlorodibromomethane	0.00079	U	0.00079	0.00043	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chloroethane	0.00079	U *	0.00079	0.00041	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chloroform	0.00079	U	0.00079	0.00077	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Chloromethane	0.00079	U *	0.00079	0.00034	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
cis-1,2-Dichloroethene	0.00079	U	0.00079	0.00028	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
cis-1,3-Dichloropropene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Cyclohexane	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Dichlorobromomethane	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Dichlorodifluoromethane	0.00079	U	0.00079	0.00027	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Ethylbenzene	0.00079	U	0.00079	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Ethylene Dibromide	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Isopropylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Methylcyclohexane	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
m-Xylene & p-Xylene	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
n-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
N-Propylbenzene	0.00079	U	0.00079	0.00036	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
o-Xylene	0.00079	U	0.00079	0.00037	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
sec-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Styrene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
tert-Butylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Tetrachloroethene	0.00079	U	0.00079	0.00024	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Toluene	0.00079	U	0.00079	0.00019	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
trans-1,2-Dichloroethene	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
trans-1,3-Dichloropropene	0.00079	U	0.00079	0.00021	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Trichloroethene	0.00079	U	0.00079	0.00025	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Trichlorofluoromethane	0.00079	U	0.00079	0.00032	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Vinyl chloride	0.00079	U *	0.00079	0.00043	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/04/25 12:01	04/09/25 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/04/25 12:01*	*04/09/25 20:10*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/04/25 12:01*	*04/09/25 20:10*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/04/25 12:01*	*04/09/25 20:10*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*04/04/25 12:01*	*04/09/25 20:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.4**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10A1_6-7
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-3
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,1,2-Trichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00063	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2-Dibromo-3-Chloropropane	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Acetone	0.0051	U	0.0051	0.0049	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Benzene	0.00086	U	0.00086	0.00049	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Bromoform	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chlorobenzene	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chlorobromomethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chlorodibromomethane	0.00086	U	0.00086	0.00046	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chloroethane	0.00086	U *	0.00086	0.00045	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chloroform	0.00086	U	0.00086	0.00083	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Chloromethane	0.00086	U *	0.00086	0.00037	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Ethylbenzene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Ethylene Dibromide	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Isopropylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Methylene Chloride	0.0017	U	0.0017	0.00098	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
N-Propylbenzene	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
o-Xylene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1

Client Sample ID: 10A1_6-7

Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-3

Matrix: Solid
Percent Solids: 88.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
trans-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Vinyl chloride	0.00086	U *	0.00086	0.00047	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/04/25 12:02	04/09/25 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*04/04/25 12:02*	*04/09/25 20:34*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:02*	*04/09/25 20:34*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/04/25 12:02*	*04/09/25 20:34*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/04/25 12:02*	*04/09/25 20:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.5**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.5**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10A2_2-3

Date Collected: 04/02/25 08:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-4

Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00045	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00063	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Acetone	**0.0050**	**J**	0.0051	0.0049	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1

Client Sample ID: 10A2_2-3
Date Collected: 04/02/25 08:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-4
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chlorobromomethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chlorodibromomethane	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chloroethane	0.00085	U	0.00085	0.00045	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chloroform	0.00085	U	0.00085	0.00083	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Methylcyclohexane	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Methylene Chloride	0.0017	U	0.0017	0.00098	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
sec-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Styrene	**0.00028**	**J**	0.00085	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
tert-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00035	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Vinyl chloride	0.00085	U	0.00085	0.00047	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/04/25 12:02	04/09/25 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*04/04/25 12:02*	*04/09/25 13:19*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*	*04/04/25 12:02*	*04/09/25 13:19*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*04/04/25 12:02*	*04/09/25 13:19*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*	*04/04/25 12:02*	*04/09/25 13:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.9**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10A2_5-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-5
Matrix: Solid
Percent Solids: 87.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00085	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00052	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Benzene	0.0014	U	0.0014	0.00080	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chlorobenzene	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chlorobromomethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chlorodibromomethane	0.0014	U	0.0014	0.00076	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Ethylbenzene	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Ethylene Dibromide	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
N-Propylbenzene	0.0014	U	0.0014	0.00063	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
o-Xylene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1

Client Sample ID: 10A2_5-6

Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-5

Matrix: Solid
Percent Solids: 87.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	04/04/25 12:03	04/09/25 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/04/25 12:03*	*04/09/25 13:43*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*04/04/25 12:03*	*04/09/25 13:43*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*04/04/25 12:03*	*04/09/25 13:43*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/04/25 12:03*	*04/09/25 13:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**87.3**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10A3_4-5

Date Collected: 04/02/25 08:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-6

Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00081	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00081	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.0010	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00050	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Benzene	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1

Client Sample ID: 10A3_4-5
Date Collected: 04/02/25 08:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-6
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chlorobenzene	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chlorobromomethane	0.0013	U	0.0013	0.00080	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chlorodibromomethane	0.0013	U	0.0013	0.00072	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Chloromethane	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Cyclohexane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Dichlorobromomethane	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Ethylbenzene	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Ethylene Dibromide	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Methyl acetate	0.0067	U	0.0067	0.0058	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Methylcyclohexane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
n-Butylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
N-Propylbenzene	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
o-Xylene	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
sec-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Styrene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Toluene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Vinyl chloride	0.0013	U	0.0013	0.00074	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	04/04/25 12:03	04/09/25 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/04/25 12:03*	*04/09/25 14:06*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:03*	*04/09/25 14:06*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:03*	*04/09/25 14:06*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/04/25 12:03*	*04/09/25 14:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.8**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10A3_7-8
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-7
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00073	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Acetone	0.0059	U	0.0059	0.0057	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chlorobenzene	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chlorobromomethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chlorodibromomethane	0.00099	U	0.00099	0.00053	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Ethylene Dibromide	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
N-Propylbenzene	0.00099	U	0.00099	0.00044	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
o-Xylene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
sec-Butylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1

Client Sample ID: 10A3_7-8

Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-7

Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:04	04/09/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/04/25 12:04*	*04/09/25 14:30*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*04/04/25 12:04*	*04/09/25 14:30*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:04*	*04/09/25 14:30*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/04/25 12:04*	*04/09/25 14:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10B1_2-3

Date Collected: 04/02/25 09:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-8

Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00083	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00051	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Acetone	0.0083	U	0.0083	0.0080	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Benzene	0.0014	U	0.0014	0.00079	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Bromoform	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10B1_2-3
Date Collected: 04/02/25 09:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-8
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chlorobenzene	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chlorobromomethane	0.0014	U	0.0014	0.00083	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chlorodibromomethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Ethylbenzene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Ethylene Dibromide	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Methylcyclohexane	0.0014	U	0.0014	0.00069	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
N-Propylbenzene	0.0014	U	0.0014	0.00062	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
o-Xylene	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
tert-Butylbenzene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Tetrachloroethene	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00056	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	04/04/25 12:04	04/09/25 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/04/25 12:04*	*04/09/25 14:54*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:04*	*04/09/25 14:54*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/04/25 12:04*	*04/09/25 14:54*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:04*	*04/09/25 14:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10B1_5-6

Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-9

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00083	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00042	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0018	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Acetone	**0.025**		0.0068	0.0065	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Benzene	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chlorobromomethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chlorodibromomethane	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Ethylene Dibromide	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Methyl acetate	**0.0071**		0.0056	0.0049	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
N-Propylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
o-Xylene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
sec-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1

Client Sample ID: 10B1_5-6

Lab Sample ID: 460-323430-9

Date Collected: 04/02/25 09:10
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	04/04/25 12:05	04/09/25 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/04/25 12:05*	*04/09/25 15:17*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:05*	*04/09/25 15:17*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:05*	*04/09/25 15:17*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:05*	*04/09/25 15:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10B1_10-11

Lab Sample ID: 460-323430-10

Date Collected: 04/02/25 09:15
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00095	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Benzene	0.0013	U	0.0013	0.00073	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1

Client Sample ID: 10B1_10-11
Date Collected: 04/02/25 09:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-10
Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chlorobenzene	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chlorobromomethane	0.0013	U	0.0013	0.00076	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chlorodibromomethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Ethylbenzene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Ethylene Dibromide	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
N-Propylbenzene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
o-Xylene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	04/04/25 12:05	04/09/25 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:05*	*04/09/25 15:41*	*1*
4-Bromofluorobenzene	*108*		*71 - 128*	*04/04/25 12:05*	*04/09/25 15:41*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:05*	*04/09/25 15:41*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:05*	*04/09/25 15:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.9		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	89.1		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10B2_3-4
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-11
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Chloromethane	0.00094	U *	0.00094	0.00041	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Dichlorodifluoromethane	0.00094	U *	0.00094	0.00032	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1

Client Sample ID: 10B2_3-4

Lab Sample ID: 460-323430-11

Date Collected: 04/02/25 09:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:06	04/10/25 15:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/04/25 12:06*	*04/10/25 15:34*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:06*	*04/10/25 15:34*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:06*	*04/10/25 15:34*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/04/25 12:06*	*04/10/25 15:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10B2_7-8

Lab Sample ID: 460-323430-12

Date Collected: 04/02/25 09:25
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00072	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00072	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00088	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
2-Hexanone	0.0060	U	0.0060	0.0021	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Acetone	0.0072	U	0.0072	0.0069	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Benzene	0.0012	U	0.0012	0.00068	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1

Client Sample ID: 10B2_7-8
Date Collected: 04/02/25 09:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-12
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chlorobenzene	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chlorobromomethane	0.0012	U	0.0012	0.00071	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chlorodibromomethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Chloromethane	0.0012	U *	0.0012	0.00052	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Dichlorodifluoromethane	0.0012	U *	0.0012	0.00041	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Ethylbenzene	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Ethylene Dibromide	0.0012	U	0.0012	0.00060	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Methyl acetate	0.0060	U	0.0060	0.0052	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
N-Propylbenzene	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
o-Xylene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Vinyl chloride	0.0012	U	0.0012	0.00065	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	04/04/25 12:07	04/10/25 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:07*	*04/10/25 15:58*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/04/25 12:07*	*04/10/25 15:58*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:07*	*04/10/25 15:58*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/04/25 12:07*	*04/10/25 15:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.1		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	87.9		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10B3_4-5
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-13
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0015	U	0.0015	0.00034	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,1,2,2-Tetrachloroethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0015	U	0.0015	0.00044	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,1,2-Trichloroethane	0.0015	U	0.0015	0.00088	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,1-Dichloroethane	0.0015	U	0.0015	0.00088	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,1-Dichloroethene	0.0015	U	0.0015	0.00033	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2,3-Trichlorobenzene	0.0015	U	0.0015	0.0011	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2,4-Trichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2,4-Trimethylbenzene	0.0015	U	0.0015	0.00036	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2-Dibromo-3-Chloropropane	0.0015	U	0.0015	0.00067	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2-Dichlorobenzene	0.0015	U	0.0015	0.00053	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2-Dichloroethane	0.0015	U	0.0015	0.00043	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,2-Dichloropropane	0.0015	U	0.0015	0.00062	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,3,5-Trimethylbenzene	0.0015	U	0.0015	0.00046	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,3-Dichlorobenzene	0.0015	U	0.0015	0.00054	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
1,4-Dichlorobenzene	0.0015	U	0.0015	0.00076	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
2-Butanone (MEK)	0.0073	U	0.0073	0.00054	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
2-Hexanone	0.0073	U	0.0073	0.0025	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
4-Methyl-2-pentanone (MIBK)	0.0073	U	0.0073	0.0023	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Acetone	0.0088	U	0.0088	0.0084	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Benzene	0.0015	U	0.0015	0.00083	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Bromoform	0.0015	U	0.0015	0.00062	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Bromomethane	0.0029	U	0.0029	0.0015	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Carbon disulfide	0.0015	U	0.0015	0.00039	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Carbon tetrachloride	0.0015	U	0.0015	0.00057	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chlorobenzene	0.0015	U	0.0015	0.00074	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chlorobromomethane	0.0015	U	0.0015	0.00087	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chlorodibromomethane	0.0015	U	0.0015	0.00079	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chloroethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chloroform	0.0015	U	0.0015	0.0014	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Chloromethane	0.0015	U	0.0015	0.00064	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
cis-1,2-Dichloroethene	0.0015	U	0.0015	0.00053	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
cis-1,3-Dichloropropene	0.0015	U	0.0015	0.00040	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Cyclohexane	0.0015	U	0.0015	0.00032	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Dichlorobromomethane	0.0015	U	0.0015	0.00038	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Dichlorodifluoromethane	0.0015	U	0.0015	0.00050	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Ethylbenzene	0.0015	U	0.0015	0.00069	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Ethylene Dibromide	0.0015	U	0.0015	0.00074	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Isopropylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Methyl acetate	0.0073	U	0.0073	0.0063	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Methyl tert-butyl ether	0.0015	U	0.0015	0.00075	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Methylcyclohexane	0.0015	U	0.0015	0.00073	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Methylene Chloride	0.0029	U	0.0029	0.0017	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
m-Xylene & p-Xylene	0.0015	U	0.0015	0.00062	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
n-Butylbenzene	0.0015	U	0.0015	0.00043	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
N-Propylbenzene	0.0015	U	0.0015	0.00066	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
o-Xylene	0.0015	U	0.0015	0.00068	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
sec-Butylbenzene	0.0015	U	0.0015	0.00042	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Styrene	0.0015	U	0.0015	0.00041	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1

Client Sample ID: 10B3_4-5

Lab Sample ID: 460-323430-13

Date Collected: 04/02/25 09:30
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0015	U	0.0015	0.00040	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Tetrachloroethene	0.0015	U	0.0015	0.00045	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Toluene	0.0015	U	0.0015	0.00034	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
trans-1,2-Dichloroethene	0.0015	U	0.0015	0.00036	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
trans-1,3-Dichloropropene	0.0015	U	0.0015	0.00039	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Trichloroethene	0.0015	U	0.0015	0.00047	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Trichlorofluoromethane	0.0015	U	0.0015	0.00060	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Vinyl chloride	0.0015	U	0.0015	0.00080	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1
Xylenes, Total	0.0029	U	0.0029	0.00026	mg/Kg	☼	04/04/25 12:07	04/09/25 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/04/25 12:07*	*04/09/25 16:52*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:07*	*04/09/25 16:52*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:07*	*04/09/25 16:52*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/04/25 12:07*	*04/09/25 16:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**87.9**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10B3_11-12

Lab Sample ID: 460-323430-14

Date Collected: 04/02/25 09:35
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00080	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
2-Hexanone	0.0054	U	0.0054	0.0019	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1

Client Sample ID: 10B3_11-12
Date Collected: 04/02/25 09:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-14
Matrix: Solid
Percent Solids: 91.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chlorobromomethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chlorodibromomethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Methyl acetate	0.0054	U	0.0054	0.0047	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/04/25 12:07	04/09/25 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:07*	*04/09/25 17:16*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/04/25 12:07*	*04/09/25 17:16*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/04/25 12:07*	*04/09/25 17:16*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/04/25 12:07*	*04/09/25 17:16*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.1		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	91.9		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C1_0-1
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-15
Matrix: Solid
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00059	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00072	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Benzene	0.00098	U	0.00098	0.00055	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chlorobenzene	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chlorobromomethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chlorodibromomethane	0.00098	U	0.00098	0.00052	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Chloromethane	0.00098	U	0.00098	0.00043	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Ethylbenzene	0.00098	U	0.00098	0.00046	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Ethylene Dibromide	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Methyl acetate	0.0049	U *	0.0049	0.0042	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
N-Propylbenzene	0.00098	U	0.00098	0.00044	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
o-Xylene	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1

Client Sample ID: 10C1_0-1

Lab Sample ID: 460-323430-15

Date Collected: 04/02/25 09:40

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:08	04/11/25 07:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*65 - 138*	*04/04/25 12:08*	*04/11/25 07:46*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/04/25 12:08*	*04/11/25 07:46*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*04/04/25 12:08*	*04/11/25 07:46*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:08*	*04/11/25 07:46*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**93.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C1_1-2

Lab Sample ID: 460-323430-16

Date Collected: 04/02/25 09:45

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 95.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Acetone	0.0062	U	0.0062	0.0060	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1

Client Sample ID: 10C1_1-2
Date Collected: 04/02/25 09:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-16
Matrix: Solid
Percent Solids: 95.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chlorodibromomethane	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/04/25 12:08	04/10/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*04/04/25 12:08*	*04/10/25 23:03*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/04/25 12:08*	*04/10/25 23:03*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*04/04/25 12:08*	*04/10/25 23:03*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:08*	*04/10/25 23:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.2**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**95.8**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10C2_2-3
Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-17
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chloroethane	0.00088	U *	0.00088	0.00046	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Chloromethane	0.00088	U *	0.00088	0.00038	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
o-Xylene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1

Client Sample ID: 10C2_2-3

Lab Sample ID: 460-323430-17

Date Collected: 04/02/25 09:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Vinyl chloride	0.00088	U *	0.00088	0.00048	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/04/25 12:09	04/09/25 20:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/04/25 12:09*	*04/09/25 20:59*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:09*	*04/09/25 20:59*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:09*	*04/09/25 20:59*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:09*	*04/09/25 20:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.3**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C2_5-6

Lab Sample ID: 460-323430-18

Date Collected: 04/02/25 09:55
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,1,2,2-Tetrachloroethane	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,1,2-Trichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,1-Dichloroethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,1-Dichloroethene	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2,3-Trichlorobenzene	0.00080	U	0.00080	0.00059	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2,4-Trichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2,4-Trimethylbenzene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2-Dibromo-3-Chloropropane	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2-Dichloroethane	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,2-Dichloropropane	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,3,5-Trimethylbenzene	0.00080	U	0.00080	0.00025	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,3-Dichlorobenzene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
1,4-Dichlorobenzene	0.00080	U	0.00080	0.00042	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00030	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Benzene	0.00080	U	0.00080	0.00046	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Bromoform	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Bromomethane	0.0016	U	0.0016	0.00080	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1

Client Sample ID: 10C2_5-6
Date Collected: 04/02/25 09:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-18
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Carbon tetrachloride	0.00080	U	0.00080	0.00031	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chlorobenzene	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chlorobromomethane	0.00080	U	0.00080	0.00048	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chlorodibromomethane	0.00080	U	0.00080	0.00043	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chloroethane	0.00080	U *	0.00080	0.00042	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chloroform	0.00080	U	0.00080	0.00078	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Chloromethane	0.00080	U *	0.00080	0.00035	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
cis-1,2-Dichloroethene	0.00080	U	0.00080	0.00029	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
cis-1,3-Dichloropropene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Cyclohexane	0.00080	U	0.00080	0.00018	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Dichlorobromomethane	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Dichlorodifluoromethane	0.00080	U	0.00080	0.00027	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Ethylbenzene	0.00080	U	0.00080	0.00038	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Ethylene Dibromide	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Isopropylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Methyl acetate	0.0040	U	0.0040	0.0035	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Methyl tert-butyl ether	0.00080	U	0.00080	0.00041	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Methylcyclohexane	0.00080	U	0.00080	0.00040	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Methylene Chloride	0.0016	U	0.0016	0.00092	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
m-Xylene & p-Xylene	0.00080	U	0.00080	0.00034	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
n-Butylbenzene	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
N-Propylbenzene	0.00080	U	0.00080	0.00036	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
o-Xylene	0.00080	U	0.00080	0.00037	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
sec-Butylbenzene	0.00080	U	0.00080	0.00023	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Styrene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
tert-Butylbenzene	0.00080	U	0.00080	0.00022	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Tetrachloroethene	0.00080	U	0.00080	0.00024	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Toluene	0.00080	U	0.00080	0.00019	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
trans-1,2-Dichloroethene	0.00080	U	0.00080	0.00020	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
trans-1,3-Dichloropropene	0.00080	U	0.00080	0.00021	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Trichloroethene	0.00080	U	0.00080	0.00026	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Trichlorofluoromethane	0.00080	U	0.00080	0.00033	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Vinyl chloride	0.00080	U *	0.00080	0.00044	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/04/25 12:09	04/09/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:09*	*04/09/25 21:24*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/04/25 12:09*	*04/09/25 21:24*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/04/25 12:09*	*04/09/25 21:24*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/04/25 12:09*	*04/09/25 21:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C2_7-8
Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-19
Matrix: Solid
Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00058	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00071	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Benzene	0.00096	U	0.00096	0.00054	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chlorobenzene	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chlorobromomethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chlorodibromomethane	0.00096	U	0.00096	0.00051	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chloroethane	0.00096	U *	0.00096	0.00050	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Chloromethane	0.00096	U *	0.00096	0.00042	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Ethylene Dibromide	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
N-Propylbenzene	0.00096	U	0.00096	0.00043	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
o-Xylene	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1

Client Sample ID: 10C2_7-8

Lab Sample ID: 460-323430-19

Date Collected: 04/02/25 10:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Vinyl chloride	0.00096	U *	0.00096	0.00052	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/04/25 12:10	04/09/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/04/25 12:10*	*04/09/25 21:49*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/04/25 12:10*	*04/09/25 21:49*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:10*	*04/09/25 21:49*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/04/25 12:10*	*04/09/25 21:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.3**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C3_2-3

Lab Sample ID: 460-323430-20

Date Collected: 04/02/25 10:05
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1

Client Sample ID: 10C3_2-3

Date Collected: 04/02/25 10:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-20

Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chlorodibromomethane	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chloroethane	0.0010	U *	0.0010	0.00054	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Chloromethane	0.0010	U *	0.0010	0.00045	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Ethylene Dibromide	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Vinyl chloride	0.0010	U *	0.0010	0.00057	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/04/25 12:10	04/09/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/04/25 12:10*	*04/09/25 22:14*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/04/25 12:10*	*04/09/25 22:14*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/04/25 12:10*	*04/09/25 22:14*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:10*	*04/09/25 22:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.5**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.5**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10C3_6-7
Date Collected: 04/02/25 10:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-21
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chloroethane	0.0010	U *	0.0010	0.00054	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Chloromethane	0.0010	U *	0.0010	0.00045	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Methyl acetate	0.0052	U	0.0052	0.0044	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1

Client Sample ID: 10C3_6-7

Lab Sample ID: 460-323430-21

Date Collected: 04/02/25 10:10
Date Received: 04/03/25 12:11

Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Vinyl chloride	0.0010	U *	0.0010	0.00056	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/04/25 12:11	04/09/25 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/04/25 12:11*	*04/09/25 22:39*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/04/25 12:11*	*04/09/25 22:39*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/04/25 12:11*	*04/09/25 22:39*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:11*	*04/09/25 22:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D1_3-4

Lab Sample ID: 460-323430-22

Date Collected: 04/02/25 10:15
Date Received: 04/03/25 12:11

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00038	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00085	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00049	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00098	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00097	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00037	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.0012	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2,4-Trimethylbenzene	0.0016	U	0.0016	0.00040	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00075	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00048	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,3,5-Trimethylbenzene	0.0016	U	0.0016	0.00051	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00084	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
2-Butanone (MEK)	0.0081	U	0.0081	0.00060	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
2-Hexanone	0.0081	U	0.0081	0.0028	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
4-Methyl-2-pentanone (MIBK)	0.0081	U	0.0081	0.0025	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Acetone	0.0098	U	0.0098	0.0093	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Benzene	0.0016	U	0.0016	0.00092	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Bromoform	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Bromomethane	0.0033	U	0.0033	0.0016	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1

Client Sample ID: 10D1_3-4
Date Collected: 04/02/25 10:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-22
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0016	U	0.0016	0.00043	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Carbon tetrachloride	0.0016	U	0.0016	0.00063	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chlorobenzene	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chlorobromomethane	0.0016	U	0.0016	0.00097	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chlorodibromomethane	0.0016	U	0.0016	0.00087	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chloroethane	0.0016	U *	0.0016	0.00085	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chloroform	0.0016	U	0.0016	0.0016	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Chloromethane	0.0016	U *	0.0016	0.00071	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00058	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00044	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Cyclohexane	0.0016	U	0.0016	0.00036	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Dichlorobromomethane	0.0016	U	0.0016	0.00042	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00055	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Ethylbenzene	0.0016	U	0.0016	0.00076	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Ethylene Dibromide	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Isopropylbenzene	0.0016	U	0.0016	0.00046	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Methyl acetate	0.0081	U	0.0081	0.0070	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00083	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Methylcyclohexane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Methylene Chloride	0.0033	U	0.0033	0.0019	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
n-Butylbenzene	0.0016	U	0.0016	0.00048	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
N-Propylbenzene	0.0016	U	0.0016	0.00073	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
o-Xylene	0.0016	U	0.0016	0.00075	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
sec-Butylbenzene	0.0016	U	0.0016	0.00047	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Styrene	0.0016	U	0.0016	0.00045	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
tert-Butylbenzene	0.0016	U	0.0016	0.00045	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Tetrachloroethene	0.0016	U	0.0016	0.00050	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Toluene	0.0016	U	0.0016	0.00038	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00040	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Trichloroethene	0.0016	U	0.0016	0.00052	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00066	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Vinyl chloride	0.0016	U *	0.0016	0.00089	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1
Xylenes, Total	0.0033	U	0.0033	0.00028	mg/Kg	☼	04/04/25 12:11	04/09/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*	*04/04/25 12:11*	*04/09/25 23:03*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/04/25 12:11*	*04/09/25 23:03*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/04/25 12:11*	*04/09/25 23:03*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:11*	*04/09/25 23:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10D1_7-8
Date Collected: 04/02/25 10:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-23
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00022	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00071	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2-Dibromo-3-Chloropropane	0.00097	U	0.00097	0.00044	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00036	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
2-Hexanone	0.0048	U	0.0048	0.0017	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Benzene	0.00097	U	0.00097	0.00055	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Carbon tetrachloride	0.00097	U	0.00097	0.00037	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chlorobenzene	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chlorobromomethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chlorodibromomethane	0.00097	U	0.00097	0.00052	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Cyclohexane	0.00097	U	0.00097	0.00021	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Ethylbenzene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Ethylene Dibromide	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Isopropylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Methyl acetate	0.0048	U	0.0048	0.0042	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Methylcyclohexane	0.00097	U	0.00097	0.00048	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
n-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
N-Propylbenzene	0.00097	U	0.00097	0.00043	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
o-Xylene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1

Client Sample ID: 10D1_7-8

Lab Sample ID: 460-323430-23

Date Collected: 04/02/25 10:20

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Tetrachloroethene	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Toluene	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
trans-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/04/25 12:12	04/10/25 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/04/25 12:12*	*04/10/25 02:22*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:12*	*04/10/25 02:22*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/04/25 12:12*	*04/10/25 02:22*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:12*	*04/10/25 02:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D2_4-5

Lab Sample ID: 460-323430-24

Date Collected: 04/02/25 10:25

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0022	U	0.0022	0.00052	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,1,2,2-Tetrachloroethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,1,2-Trichloroethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,1-Dichloroethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,1-Dichloroethene	0.0022	U	0.0022	0.00050	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2,3-Trichlorobenzene	0.0022	U	0.0022	0.0016	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2,4-Trichlorobenzene	0.0022	U	0.0022	0.00079	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2,4-Trimethylbenzene	0.0022	U	0.0022	0.00055	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2-Dibromo-3-Chloropropane	0.0022	U	0.0022	0.0010	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2-Dichlorobenzene	0.0022	U	0.0022	0.00080	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2-Dichloroethane	0.0022	U	0.0022	0.00066	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,2-Dichloropropane	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,3,5-Trimethylbenzene	0.0022	U	0.0022	0.00070	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,3-Dichlorobenzene	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
1,4-Dichlorobenzene	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
2-Butanone (MEK)	0.011	U	0.011	0.00082	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
2-Hexanone	0.011	U	0.011	0.0038	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
4-Methyl-2-pentanone (MIBK)	0.011	U	0.011	0.0035	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Acetone	0.013	U	0.013	0.013	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Benzene	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Bromoform	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Bromomethane	0.0044	U	0.0044	0.0022	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1

Client Sample ID: 10D2_4-5

Date Collected: 04/02/25 10:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-24

Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0022	U	0.0022	0.00059	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Carbon tetrachloride	0.0022	U	0.0022	0.00086	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chlorobenzene	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chlorobromomethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chlorodibromomethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chloroethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chloroform	0.0022	U	0.0022	0.0022	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Chloromethane	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
cis-1,2-Dichloroethene	0.0022	U	0.0022	0.00079	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
cis-1,3-Dichloropropene	0.0022	U	0.0022	0.00061	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Cyclohexane	0.0022	U	0.0022	0.00049	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Dichlorobromomethane	0.0022	U	0.0022	0.00057	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Dichlorodifluoromethane	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Ethylbenzene	0.0022	U	0.0022	0.0010	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Ethylene Dibromide	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Isopropylbenzene	0.0022	U	0.0022	0.00063	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Methyl acetate	0.011	U	0.011	0.0095	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Methyl tert-butyl ether	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Methylcyclohexane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Methylene Chloride	0.0044	U	0.0044	0.0025	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
m-Xylene & p-Xylene	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
n-Butylbenzene	0.0022	U	0.0022	0.00065	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
N-Propylbenzene	0.0022	U	0.0022	0.0010	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
o-Xylene	0.0022	U	0.0022	0.0010	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
sec-Butylbenzene	0.0022	U	0.0022	0.00064	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Styrene	0.0022	U	0.0022	0.00062	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
tert-Butylbenzene	0.0022	U	0.0022	0.00061	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Tetrachloroethene	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Toluene	0.0022	U	0.0022	0.00052	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
trans-1,2-Dichloroethene	0.0022	U	0.0022	0.00055	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
trans-1,3-Dichloropropene	0.0022	U	0.0022	0.00059	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Trichloroethene	0.0022	U	0.0022	0.00071	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Trichlorofluoromethane	0.0022	U	0.0022	0.00090	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Vinyl chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1
Xylenes, Total	0.0044	U	0.0044	0.00039	mg/Kg	☼	04/04/25 12:19	04/10/25 23:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*65 - 138*	*04/04/25 12:19*	*04/10/25 23:27*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*04/04/25 12:19*	*04/10/25 23:27*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*04/04/25 12:19*	*04/10/25 23:27*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/04/25 12:19*	*04/10/25 23:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.9**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D2_9-10
Date Collected: 04/02/25 10:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-25
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1

Client Sample ID: 10D2_9-10

Lab Sample ID: 460-323430-25

Date Collected: 04/02/25 10:30
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/04/25 12:19	04/10/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*65 - 138*	*04/04/25 12:19*	*04/10/25 23:52*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/04/25 12:19*	*04/10/25 23:52*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*04/04/25 12:19*	*04/10/25 23:52*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:19*	*04/10/25 23:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.0**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.0**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D3_0-1

Lab Sample ID: 460-323430-26

Date Collected: 04/02/25 10:35
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1

Client Sample ID: 10D3_0-1
Date Collected: 04/02/25 10:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-26
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
N-Propylbenzene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
o-Xylene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/04/25 12:19	04/11/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*65 - 138*	*04/04/25 12:19*	*04/11/25 00:17*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/04/25 12:19*	*04/11/25 00:17*	*1*
Dibromofluoromethane (Surr)	*110*		*50 - 150*	*04/04/25 12:19*	*04/11/25 00:17*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:19*	*04/11/25 00:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D3_5-6
Date Collected: 04/02/25 10:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-27
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chlorobromomethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chlorodibromomethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1

Client Sample ID: 10D3_5-6

Lab Sample ID: 460-323430-27

Date Collected: 04/02/25 10:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/04/25 12:20	04/11/25 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*65 - 138*	*04/04/25 12:20*	*04/11/25 00:42*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/04/25 12:20*	*04/11/25 00:42*	*1*
Dibromofluoromethane (Surr)	*111*		*50 - 150*	*04/04/25 12:20*	*04/11/25 00:42*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:20*	*04/11/25 00:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10D3_11-12

Lab Sample ID: 460-323430-28

Date Collected: 04/02/25 10:45
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00061	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2,4-Trimethylbenzene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00031	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Acetone	0.0050	U	0.0050	0.0047	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1

Client Sample ID: 10D3_11-12
Date Collected: 04/02/25 10:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-28
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chlorobromomethane	0.00083	U	0.00083	0.00049	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chlorodibromomethane	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chloroethane	0.00083	U *	0.00083	0.00043	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chloroform	0.00083	U	0.00083	0.00081	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Methyl acetate	0.0041	U	0.0041	0.0036	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Methylcyclohexane	0.00083	U	0.00083	0.00041	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Methylene Chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
m-Xylene & p-Xylene	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
n-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
sec-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
tert-Butylbenzene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Toluene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Vinyl chloride	0.00083	U *	0.00083	0.00045	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1
Xylenes, Total	0.0017	U	0.0017	0.00014	mg/Kg	☼	04/04/25 12:20	04/10/25 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/04/25 12:20*	*04/10/25 17:42*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:20*	*04/10/25 17:42*	*1*
Dibromofluoromethane (Surr)	*105*		*50 - 150*	*04/04/25 12:20*	*04/10/25 17:42*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:20*	*04/10/25 17:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.5**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.5**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10E1_4-5
Date Collected: 04/02/25 10:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-29
Matrix: Solid
Percent Solids: 88.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00081	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00081	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00030	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00062	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
2-Butanone (MEK)	0.0068	U	0.0068	0.00050	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
2-Hexanone	0.0068	U	0.0068	0.0023	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
4-Methyl-2-pentanone (MIBK)	0.0068	U	0.0068	0.0021	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Acetone	0.0081	U	0.0081	0.0077	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Benzene	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Bromoform	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Bromomethane	0.0027	U	0.0027	0.0014	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Carbon disulfide	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Carbon tetrachloride	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chlorobenzene	0.0014	U	0.0014	0.00069	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chlorobromomethane	0.0014	U	0.0014	0.00081	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chlorodibromomethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chloroethane	0.0014	U *	0.0014	0.00071	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chloroform	0.0014	U	0.0014	0.0013	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Chloromethane	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Cyclohexane	0.0014	U	0.0014	0.00030	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Dichlorobromomethane	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00046	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Ethylbenzene	0.0014	U	0.0014	0.00063	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Ethylene Dibromide	0.0014	U	0.0014	0.00068	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Isopropylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Methyl acetate	0.0068	U	0.0068	0.0058	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00069	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Methylcyclohexane	0.0014	U	0.0014	0.00067	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
n-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
N-Propylbenzene	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
o-Xylene	0.0014	U	0.0014	0.00062	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
sec-Butylbenzene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Styrene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1

Client Sample ID: 10E1_4-5

Lab Sample ID: 460-323430-29

Date Collected: 04/02/25 10:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Tetrachloroethene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Toluene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Trichloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00055	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Vinyl chloride	0.0014	U *	0.0014	0.00074	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1
Xylenes, Total	0.0027	U	0.0027	0.00024	mg/Kg	☼	04/04/25 12:21	04/10/25 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/04/25 12:21*	*04/10/25 18:06*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/04/25 12:21*	*04/10/25 18:06*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*04/04/25 12:21*	*04/10/25 18:06*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:21*	*04/10/25 18:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10E1_9-10

Lab Sample ID: 460-323430-30

Date Collected: 04/02/25 10:55
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1

Client Sample ID: 10E1_9-10
Date Collected: 04/02/25 10:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-30
Matrix: Solid
Percent Solids: 79.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chloroethane	0.00095	U *	0.00095	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Ethylbenzene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00038	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Vinyl chloride	0.00095	U *	0.00095	0.00052	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:21	04/10/25 18:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/04/25 12:21*	*04/10/25 18:31*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/04/25 12:21*	*04/10/25 18:31*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*04/04/25 12:21*	*04/10/25 18:31*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:21*	*04/10/25 18:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**20.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**79.7**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10E1_11-12
Date Collected: 04/02/25 11:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-31
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00073	U	0.00073	0.00017	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,1,2,2-Tetrachloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,1,2-Trichloroethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,1-Dichloroethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,1-Dichloroethene	0.00073	U	0.00073	0.00016	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2,3-Trichlorobenzene	0.00073	U	0.00073	0.00054	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2,4-Trimethylbenzene	0.00073	U	0.00073	0.00018	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2-Dibromo-3-Chloropropane	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2-Dichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2-Dichloroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,2-Dichloropropane	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,3,5-Trimethylbenzene	0.00073	U	0.00073	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,3-Dichlorobenzene	0.00073	U	0.00073	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
1,4-Dichlorobenzene	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
2-Hexanone	0.0037	U	0.0037	0.0012	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0011	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Benzene	0.00073	U	0.00073	0.00041	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Bromoform	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Bromomethane	0.0015	U	0.0015	0.00073	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Carbon disulfide	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Carbon tetrachloride	0.00073	U	0.00073	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chlorobenzene	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chlorobromomethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chlorodibromomethane	0.00073	U	0.00073	0.00039	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chloroform	0.00073	U	0.00073	0.00071	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Chloromethane	0.00073	U	0.00073	0.00032	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
cis-1,2-Dichloroethene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
cis-1,3-Dichloropropene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Cyclohexane	0.00073	U	0.00073	0.00016	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Dichlorobromomethane	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Dichlorodifluoromethane	0.00073	U	0.00073	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Ethylbenzene	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Ethylene Dibromide	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Isopropylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Methyl acetate	0.0037	U	0.0037	0.0031	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Methyl tert-butyl ether	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Methylcyclohexane	0.00073	U	0.00073	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Methylene Chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
m-Xylene & p-Xylene	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
n-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
N-Propylbenzene	0.00073	U	0.00073	0.00033	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
o-Xylene	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
sec-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Styrene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1

Client Sample ID: 10E1_11-12

Lab Sample ID: 460-323430-31

Date Collected: 04/02/25 11:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Tetrachloroethene	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Toluene	0.00073	U	0.00073	0.00017	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
trans-1,2-Dichloroethene	0.00073	U	0.00073	0.00018	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
trans-1,3-Dichloropropene	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Trichloroethene	0.00073	U	0.00073	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Trichlorofluoromethane	0.00073	U	0.00073	0.00030	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Vinyl chloride	0.00073	U	0.00073	0.00040	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/04/25 12:22	04/10/25 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/04/25 12:22*	*04/10/25 22:13*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/04/25 12:22*	*04/10/25 22:13*	*1*
Dibromofluoromethane (Surr)	*109*		*50 - 150*	*04/04/25 12:22*	*04/10/25 22:13*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/04/25 12:22*	*04/10/25 22:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.5**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**87.5**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10E2_2-3

Lab Sample ID: 460-323430-32

Date Collected: 04/02/25 11:05
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1

Client Sample ID: 10E2_2-3
Date Collected: 04/02/25 11:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-32
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chloroethane	0.0010	U *	0.0010	0.00052	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Vinyl chloride	0.0010	U *	0.0010	0.00054	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:22	04/10/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/04/25 12:22*	*04/10/25 19:21*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/04/25 12:22*	*04/10/25 19:21*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*04/04/25 12:22*	*04/10/25 19:21*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:22*	*04/10/25 19:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.6		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	87.4		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10E2_7-8
Date Collected: 04/02/25 11:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-33
Matrix: Solid
Percent Solids: 94.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00092	U	0.00092	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,1,2,2-Tetrachloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,1,2-Trichloroethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,1-Dichloroethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,1-Dichloroethene	0.00092	U	0.00092	0.00021	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2,3-Trichlorobenzene	0.00092	U	0.00092	0.00068	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2,4-Trichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2,4-Trimethylbenzene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2-Dibromo-3-Chloropropane	0.00092	U	0.00092	0.00042	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2-Dichlorobenzene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2-Dichloroethane	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,2-Dichloropropane	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,3,5-Trimethylbenzene	0.00092	U	0.00092	0.00029	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,3-Dichlorobenzene	0.00092	U	0.00092	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
1,4-Dichlorobenzene	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Acetone	0.0055	U	0.0055	0.0053	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Benzene	0.00092	U	0.00092	0.00052	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Bromoform	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Bromomethane	0.0018	U	0.0018	0.00092	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Carbon disulfide	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Carbon tetrachloride	0.00092	U	0.00092	0.00036	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chlorobenzene	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chlorobromomethane	0.00092	U	0.00092	0.00055	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chlorodibromomethane	0.00092	U	0.00092	0.00050	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chloroethane	0.00092	U	0.00092	0.00048	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chloroform	0.00092	U	0.00092	0.00090	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Chloromethane	0.00092	U	0.00092	0.00040	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
cis-1,2-Dichloroethene	0.00092	U	0.00092	0.00033	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
cis-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Cyclohexane	0.00092	U	0.00092	0.00020	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Dichlorobromomethane	0.00092	U	0.00092	0.00024	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Dichlorodifluoromethane	0.00092	U	0.00092	0.00031	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Ethylbenzene	0.00092	U	0.00092	0.00043	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Ethylene Dibromide	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Isopropylbenzene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Methyl tert-butyl ether	0.00092	U	0.00092	0.00047	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Methylcyclohexane	0.00092	U	0.00092	0.00046	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Methylene Chloride	0.0018	U	0.0018	0.0011	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
m-Xylene & p-Xylene	0.00092	U	0.00092	0.00039	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
n-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
N-Propylbenzene	0.00092	U	0.00092	0.00041	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
o-Xylene	0.00092	U	0.00092	0.00043	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
sec-Butylbenzene	0.00092	U	0.00092	0.00027	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Styrene	0.00092	U	0.00092	0.00026	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1

Client Sample ID: 10E2_7-8

Lab Sample ID: 460-323430-33

Date Collected: 04/02/25 11:10
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Tetrachloroethene	0.00092	U	0.00092	0.00028	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Toluene	0.00092	U	0.00092	0.00022	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
trans-1,2-Dichloroethene	0.00092	U	0.00092	0.00023	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
trans-1,3-Dichloropropene	0.00092	U	0.00092	0.00025	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Trichloroethene	0.00092	U	0.00092	0.00030	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Trichlorofluoromethane	0.00092	U	0.00092	0.00037	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Vinyl chloride	0.00092	U	0.00092	0.00050	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/04/25 12:22	04/10/25 21:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/04/25 12:22*	*04/10/25 21:12*	*1*
4-Bromofluorobenzene	*98*		*71 - 128*	*04/04/25 12:22*	*04/10/25 21:12*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*04/04/25 12:22*	*04/10/25 21:12*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:22*	*04/10/25 21:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.9**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 10E3_6-7

Lab Sample ID: 460-323430-34

Date Collected: 04/02/25 11:15
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00063	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
2-Hexanone	0.0042	U	0.0042	0.0015	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Acetone	0.0051	U	0.0051	0.0048	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1

Client Sample ID: 10E3_6-7
Date Collected: 04/02/25 11:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-34
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chlorobromomethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chlorodibromomethane	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chloroform	0.00085	U	0.00085	0.00082	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00030	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Methylcyclohexane	0.00085	U	0.00085	0.00042	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Methylene Chloride	0.0017	U	0.0017	0.00097	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
sec-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
tert-Butylbenzene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00034	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Vinyl chloride	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/04/25 12:23	04/10/25 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:23*	*04/10/25 21:36*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/04/25 12:23*	*04/10/25 21:36*	*1*
Dibromofluoromethane (Surr)	*93*		*50 - 150*	*04/04/25 12:23*	*04/10/25 21:36*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/04/25 12:23*	*04/10/25 21:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10E3_9-10
Date Collected: 04/02/25 11:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-35
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00080	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
2-Hexanone	0.0054	U	0.0054	0.0018	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Benzene	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chlorobromomethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chlorodibromomethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Ethylene Dibromide	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1

Client Sample ID: 10E3_9-10

Lab Sample ID: 460-323430-35

Date Collected: 04/02/25 11:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/04/25 12:23	04/10/25 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:23*	*04/10/25 21:59*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:23*	*04/10/25 21:59*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*04/04/25 12:23*	*04/10/25 21:59*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/04/25 12:23*	*04/10/25 21:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9A1_0-1

Lab Sample ID: 460-323430-36

Date Collected: 04/02/25 12:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00059	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00072	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Benzene	0.00098	U	0.00098	0.00055	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1

Client Sample ID: 9A1_0-1
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-36
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chlorobenzene	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chlorobromomethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chlorodibromomethane	0.00098	U	0.00098	0.00052	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Chloromethane	0.00098	U	0.00098	0.00042	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Ethylbenzene	0.00098	U	0.00098	0.00046	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Ethylene Dibromide	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
N-Propylbenzene	0.00098	U	0.00098	0.00044	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
o-Xylene	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:24	04/10/25 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:24*	*04/10/25 22:23*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:24*	*04/10/25 22:23*	*1*
Dibromofluoromethane (Surr)	*92*		*50 - 150*	*04/04/25 12:24*	*04/10/25 22:23*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/04/25 12:24*	*04/10/25 22:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.4**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9A1_3-4
Date Collected: 04/02/25 12:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-37
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0014	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1

Client Sample ID: 9A1_3-4

Date Collected: 04/02/25 12:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-37

Matrix: Solid
Percent Solids: 87.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:24	04/10/25 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/04/25 12:24*	*04/10/25 22:47*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:24*	*04/10/25 22:47*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/04/25 12:24*	*04/10/25 22:47*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:24*	*04/10/25 22:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.8**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**87.2**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9A2_4-5

Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-38

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1

Client Sample ID: 9A2_4-5
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-38
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/04/25 12:25	04/10/25 23:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:25*	*04/10/25 23:10*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*04/04/25 12:25*	*04/10/25 23:10*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/04/25 12:25*	*04/10/25 23:10*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:25*	*04/10/25 23:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9A2_8-9
Date Collected: 04/02/25 12:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-39
Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1

Client Sample ID: 9A2_8-9

Date Collected: 04/02/25 12:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-39

Matrix: Solid
Percent Solids: 93.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:25	04/10/25 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/04/25 12:25*	*04/10/25 23:34*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*04/04/25 12:25*	*04/10/25 23:34*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:25*	*04/10/25 23:34*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/04/25 12:25*	*04/10/25 23:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**93.4**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9A3_4-5

Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-40

Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00051	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00072	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2-Dibromo-3-Chloropropane	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Benzene	0.00097	U	0.00097	0.00055	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1

Client Sample ID: 9A3_4-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-40
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Carbon tetrachloride	0.00097	U	0.00097	0.00038	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chlorobenzene	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chlorobromomethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chlorodibromomethane	0.00097	U	0.00097	0.00052	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chloroethane	0.00097	U	0.00097	0.00051	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Cyclohexane	0.00097	U	0.00097	0.00021	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Ethylbenzene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Ethylene Dibromide	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Isopropylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Methylcyclohexane	0.00097	U	0.00097	0.00048	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
n-Butylbenzene	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
N-Propylbenzene	0.00097	U	0.00097	0.00044	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
o-Xylene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Tetrachloroethene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Toluene	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
trans-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/04/25 12:26	04/10/25 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/04/25 12:26*	*04/10/25 23:58*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:26*	*04/10/25 23:58*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/04/25 12:26*	*04/10/25 23:58*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/04/25 12:26*	*04/10/25 23:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.7**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9A3_7-8
Date Collected: 04/02/25 12:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-41
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0019	U	0.0019	0.00044	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,1,2,2-Tetrachloroethane	0.0019	U	0.0019	0.00098	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0019	U	0.0019	0.00057	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,1,2-Trichloroethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,1-Dichloroethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,1-Dichloroethene	0.0019	U	0.0019	0.00042	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2,3-Trichlorobenzene	0.0019	U	0.0019	0.0014	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2,4-Trichlorobenzene	0.0019	U	0.0019	0.00067	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2,4-Trimethylbenzene	0.0019	U	0.0019	0.00046	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2-Dibromo-3-Chloropropane	0.0019	U	0.0019	0.00086	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2-Dichlorobenzene	0.0019	U	0.0019	0.00068	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2-Dichloroethane	0.0019	U	0.0019	0.00056	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,2-Dichloropropane	0.0019	U	0.0019	0.00079	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,3,5-Trimethylbenzene	0.0019	U	0.0019	0.00059	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,3-Dichlorobenzene	0.0019	U	0.0019	0.00069	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
1,4-Dichlorobenzene	0.0019	U	0.0019	0.00098	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
2-Butanone (MEK)	0.0094	U	0.0094	0.00069	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
2-Hexanone	0.0094	U	0.0094	0.0032	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
4-Methyl-2-pentanone (MIBK)	0.0094	U	0.0094	0.0029	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Acetone	0.011	U	0.011	0.011	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Benzene	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Bromoform	0.0019	U	0.0019	0.00080	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Bromomethane	0.0038	U	0.0038	0.0019	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Carbon disulfide	0.0019	U	0.0019	0.00050	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Carbon tetrachloride	0.0019	U	0.0019	0.00073	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chlorobenzene	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chlorobromomethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chlorodibromomethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chloroethane	0.0019	U	0.0019	0.00098	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chloroform	0.0019	U	0.0019	0.0018	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Chloromethane	0.0019	U	0.0019	0.00082	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
cis-1,2-Dichloroethene	0.0019	U	0.0019	0.00067	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
cis-1,3-Dichloropropene	0.0019	U	0.0019	0.00051	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Cyclohexane	0.0019	U	0.0019	0.00042	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Dichlorobromomethane	0.0019	U	0.0019	0.00048	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Dichlorodifluoromethane	0.0019	U	0.0019	0.00064	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Ethylbenzene	0.0019	U	0.0019	0.00088	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Ethylene Dibromide	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Isopropylbenzene	0.0019	U	0.0019	0.00054	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Methyl acetate	0.0094	U	0.0094	0.0081	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Methyl tert-butyl ether	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Methylcyclohexane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Methylene Chloride	0.0038	U	0.0038	0.0022	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
m-Xylene & p-Xylene	0.0019	U	0.0019	0.00079	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
n-Butylbenzene	0.0019	U	0.0019	0.00055	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
N-Propylbenzene	0.0019	U	0.0019	0.00084	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
o-Xylene	0.0019	U	0.0019	0.00087	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
sec-Butylbenzene	0.0019	U	0.0019	0.00054	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Styrene	0.0019	U	0.0019	0.00052	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1

Client Sample ID: 9A3_7-8

Lab Sample ID: 460-323430-41

Date Collected: 04/02/25 12:45
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0019	U	0.0019	0.00052	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Tetrachloroethene	0.0019	U	0.0019	0.00057	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Toluene	0.0019	U	0.0019	0.00044	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
trans-1,2-Dichloroethene	0.0019	U	0.0019	0.00046	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
trans-1,3-Dichloropropene	0.0019	U	0.0019	0.00050	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Trichloroethene	0.0019	U	0.0019	0.00060	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Trichlorofluoromethane	0.0019	U	0.0019	0.00076	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Vinyl chloride	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1
Xylenes, Total	0.0038	U	0.0038	0.00033	mg/Kg	☼	04/04/25 12:26	04/11/25 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*04/04/25 12:26*	*04/11/25 00:21*	*1*
4-Bromofluorobenzene	*111*		*71 - 128*	*04/04/25 12:26*	*04/11/25 00:21*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*04/04/25 12:26*	*04/11/25 00:21*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:26*	*04/11/25 00:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.4**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**86.6**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9A3_9-10

Lab Sample ID: 460-323430-42

Date Collected: 04/02/25 12:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00067	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1

Client Sample ID: 9A3_9-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-42
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chlorodibromomethane	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chloroform	0.00090	U	0.00090	0.00088	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00031	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Ethylene Dibromide	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
n-Butylbenzene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
N-Propylbenzene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
o-Xylene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Tetrachloroethene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/04/25 12:26	04/11/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/04/25 12:26*	*04/11/25 00:45*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/04/25 12:26*	*04/11/25 00:45*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:26*	*04/11/25 00:45*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/04/25 12:26*	*04/11/25 00:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**93.9**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B1_2-3
Date Collected: 04/02/25 12:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-43
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00059	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00072	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Benzene	0.00098	U	0.00098	0.00055	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chlorobenzene	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chlorobromomethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chlorodibromomethane	0.00098	U	0.00098	0.00052	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Chloromethane	0.00098	U	0.00098	0.00043	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Ethylbenzene	0.00098	U	0.00098	0.00046	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Ethylene Dibromide	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
N-Propylbenzene	0.00098	U	0.00098	0.00044	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
o-Xylene	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1

Client Sample ID: 9B1_2-3

Date Collected: 04/02/25 12:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-43

Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:27	04/11/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:27*	*04/11/25 01:08*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/04/25 12:27*	*04/11/25 01:08*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*04/04/25 12:27*	*04/11/25 01:08*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:27*	*04/11/25 01:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.8**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9B1_6-7

Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-44

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00080	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
2-Butanone (MEK)	0.0054	U	0.0054	0.00040	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
2-Hexanone	0.0054	U	0.0054	0.0018	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
4-Methyl-2-pentanone (MIBK)	0.0054	U	0.0054	0.0017	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Acetone	0.0065	U	0.0065	0.0062	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Benzene	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Bromoform	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1

Client Sample ID: 9B1_6-7
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-44
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chlorobromomethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chlorodibromomethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Chloromethane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Ethylene Dibromide	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Methyl acetate	0.0054	U	0.0054	0.0046	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Methylcyclohexane	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Methylene Chloride	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Vinyl chloride	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/04/25 12:27	04/11/25 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:27*	*04/11/25 01:32*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/04/25 12:27*	*04/11/25 01:32*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*04/04/25 12:27*	*04/11/25 01:32*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/04/25 12:27*	*04/11/25 01:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.8		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	90.2		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9B2_2-3
Date Collected: 04/02/25 13:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-45
Matrix: Solid
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Methyl acetate	0.0051	U	0.0051	0.0043	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1

Client Sample ID: 9B2_2-3

Lab Sample ID: 460-323430-45

Date Collected: 04/02/25 13:05
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 93.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/04/25 12:28	04/11/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/04/25 12:28*	*04/11/25 01:56*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/04/25 12:28*	*04/11/25 01:56*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*04/04/25 12:28*	*04/11/25 01:56*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/04/25 12:28*	*04/11/25 01:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.8**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**93.2**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9B2_8-9

Lab Sample ID: 460-323430-46

Date Collected: 04/02/25 13:10
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00019	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00064	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2-Dibromo-3-Chloropropane	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Benzene	0.00087	U	0.00087	0.00049	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1

Client Sample ID: 9B2_8-9
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-46
Matrix: Solid
Percent Solids: 94.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chlorobenzene	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chlorobromomethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chlorodibromomethane	0.00087	U	0.00087	0.00047	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chloroform	0.00087	U	0.00087	0.00084	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00029	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Ethylbenzene	0.00087	U	0.00087	0.00041	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Ethylene Dibromide	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Methylcyclohexane	0.00087	U	0.00087	0.00043	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
n-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
N-Propylbenzene	0.00087	U	0.00087	0.00039	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
o-Xylene	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Tetrachloroethene	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Vinyl chloride	0.00087	U	0.00087	0.00047	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/04/25 12:28	04/11/25 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:28*	*04/11/25 02:19*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/04/25 12:28*	*04/11/25 02:19*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:28*	*04/11/25 02:19*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:28*	*04/11/25 02:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.8**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.2**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B3_3-4
Date Collected: 04/02/25 13:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-47
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,1,2,2-Tetrachloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,1,2-Trichloroethane	0.00098	U	0.00098	0.00059	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,1-Dichloroethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,1-Dichloroethene	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2,3-Trichlorobenzene	0.00098	U	0.00098	0.00072	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2,4-Trichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2,4-Trimethylbenzene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2-Dibromo-3-Chloropropane	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2-Dichlorobenzene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2-Dichloroethane	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,2-Dichloropropane	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,3,5-Trimethylbenzene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,3-Dichlorobenzene	0.00098	U	0.00098	0.00036	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
1,4-Dichlorobenzene	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Benzene	0.00098	U	0.00098	0.00055	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Bromoform	0.00098	U	0.00098	0.00042	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Bromomethane	0.0020	U	0.0020	0.00098	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Carbon disulfide	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Carbon tetrachloride	0.00098	U	0.00098	0.00038	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chlorobenzene	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chlorobromomethane	0.00098	U	0.00098	0.00058	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chlorodibromomethane	0.00098	U	0.00098	0.00053	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chloroethane	0.00098	U	0.00098	0.00051	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chloroform	0.00098	U	0.00098	0.00095	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Chloromethane	0.00098	U	0.00098	0.00043	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
cis-1,2-Dichloroethene	0.00098	U	0.00098	0.00035	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
cis-1,3-Dichloropropene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Cyclohexane	0.00098	U	0.00098	0.00022	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Dichlorobromomethane	0.00098	U	0.00098	0.00025	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Dichlorodifluoromethane	0.00098	U	0.00098	0.00033	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Ethylbenzene	0.00098	U	0.00098	0.00046	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Ethylene Dibromide	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Isopropylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Methyl tert-butyl ether	0.00098	U	0.00098	0.00050	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Methylcyclohexane	0.00098	U	0.00098	0.00049	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
m-Xylene & p-Xylene	0.00098	U	0.00098	0.00041	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
n-Butylbenzene	0.00098	U	0.00098	0.00029	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
N-Propylbenzene	0.00098	U	0.00098	0.00044	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
o-Xylene	0.00098	U	0.00098	0.00045	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
sec-Butylbenzene	0.00098	U	0.00098	0.00028	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Styrene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1

Client Sample ID: 9B3_3-4

Lab Sample ID: 460-323430-47

Date Collected: 04/02/25 13:15
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00098	U	0.00098	0.00027	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Tetrachloroethene	0.00098	U	0.00098	0.00030	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Toluene	0.00098	U	0.00098	0.00023	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
trans-1,2-Dichloroethene	0.00098	U	0.00098	0.00024	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
trans-1,3-Dichloropropene	0.00098	U	0.00098	0.00026	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Trichloroethene	0.00098	U	0.00098	0.00031	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Trichlorofluoromethane	0.00098	U	0.00098	0.00040	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Vinyl chloride	0.00098	U	0.00098	0.00053	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:29	04/11/25 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/04/25 12:29*	*04/11/25 02:43*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/04/25 12:29*	*04/11/25 02:43*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*04/04/25 12:29*	*04/11/25 02:43*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/04/25 12:29*	*04/11/25 02:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.3**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9B3_9-10

Lab Sample ID: 460-323430-48

Date Collected: 04/02/25 13:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1

Client Sample ID: 9B3_9-10
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-48
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Ethylbenzene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/04/25 12:29	04/11/25 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/04/25 12:29*	*04/11/25 08:14*	*1*
4-Bromofluorobenzene	*111*		*71 - 128*	*04/04/25 12:29*	*04/11/25 08:14*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/04/25 12:29*	*04/11/25 08:14*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/04/25 12:29*	*04/11/25 08:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.3**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B3_7-8
Date Collected: 04/02/25 13:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-49
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00048	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00055	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00067	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2,4-Trimethylbenzene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Benzene	0.00091	U	0.00091	0.00052	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Bromoform	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chlorobenzene	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chlorobromomethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chlorodibromomethane	0.00091	U	0.00091	0.00049	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chloroethane	0.00091	U	0.00091	0.00048	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chloroform	0.00091	U	0.00091	0.00089	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Chloromethane	0.00091	U	0.00091	0.00040	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Ethylbenzene	0.00091	U	0.00091	0.00043	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Ethylene Dibromide	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Methylcyclohexane	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
N-Propylbenzene	0.00091	U	0.00091	0.00041	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
o-Xylene	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
sec-Butylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1

Client Sample ID: 9B3_7-8

Date Collected: 04/02/25 13:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-49

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
trans-1,3-Dichloropropene	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Vinyl chloride	0.00091	U	0.00091	0.00050	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/04/25 12:30	04/11/25 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/04/25 12:30*	*04/11/25 08:37*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/04/25 12:30*	*04/11/25 08:37*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/04/25 12:30*	*04/11/25 08:37*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/04/25 12:30*	*04/11/25 08:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9C1_1-2

Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-50

Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1

Client Sample ID: 9C1_1-2
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-50
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Ethylbenzene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Isopropylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:30	04/11/25 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/04/25 12:30*	*04/11/25 03:54*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/04/25 12:30*	*04/11/25 03:54*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*04/04/25 12:30*	*04/11/25 03:54*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/04/25 12:30*	*04/11/25 03:54*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.9**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.1**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9C1_5-6
Date Collected: 04/02/25 13:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-51
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00076	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00093	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
2-Hexanone	0.0063	U	0.0063	0.0022	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Benzene	0.0013	U	0.0013	0.00071	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Bromoform	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chlorobenzene	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chlorobromomethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chlorodibromomethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Ethylbenzene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Ethylene Dibromide	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
N-Propylbenzene	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
o-Xylene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1

Client Sample ID: 9C1_5-6

Lab Sample ID: 460-323430-51

Date Collected: 04/02/25 13:35
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	04/04/25 12:31	04/11/25 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/04/25 12:31*	*04/11/25 09:01*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:31*	*04/11/25 09:01*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/04/25 12:31*	*04/11/25 09:01*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/04/25 12:31*	*04/11/25 09:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.9**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**86.1**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9C2_3-4

Lab Sample ID: 460-323430-52

Date Collected: 04/02/25 13:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0015	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Benzene	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1

Client Sample ID: 9C2_3-4
Date Collected: 04/02/25 13:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-52
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chlorodibromomethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
tert-Butylbenzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:31	04/11/25 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/04/25 12:31*	*04/11/25 10:12*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/04/25 12:31*	*04/11/25 10:12*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/04/25 12:31*	*04/11/25 10:12*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/04/25 12:31*	*04/11/25 10:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9C2_6-7
Date Collected: 04/02/25 13:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-53
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Methyl acetate	0.0052	U *	0.0052	0.0044	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1

Client Sample ID: 9C2_6-7

Date Collected: 04/02/25 13:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-53

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/04/25 12:32	04/11/25 08:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/04/25 12:32*	*04/11/25 08:11*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*04/04/25 12:32*	*04/11/25 08:11*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*04/04/25 12:32*	*04/11/25 08:11*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/04/25 12:32*	*04/11/25 08:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**90.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9C2_9-10

Date Collected: 04/02/25 13:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-54

Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0024	U	0.0024	0.00056	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,1,2,2-Tetrachloroethane	0.0024	U	0.0024	0.0013	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0024	U	0.0024	0.00072	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,1,2-Trichloroethane	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,1-Dichloroethane	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,1-Dichloroethene	0.0024	U	0.0024	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2,3-Trichlorobenzene	0.0024	U	0.0024	0.0018	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2,4-Trichlorobenzene	0.0024	U	0.0024	0.00086	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2,4-Trimethylbenzene	0.0024	U	0.0024	0.00059	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2-Dibromo-3-Chloropropane	0.0024	U	0.0024	0.0011	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2-Dichlorobenzene	0.0024	U	0.0024	0.00087	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2-Dichloroethane	0.0024	U	0.0024	0.00071	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,2-Dichloropropane	0.0024	U	0.0024	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,3,5-Trimethylbenzene	0.0024	U	0.0024	0.00075	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,3-Dichlorobenzene	0.0024	U	0.0024	0.00088	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
1,4-Dichlorobenzene	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
2-Butanone (MEK)	0.012	U	0.012	0.00088	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
2-Hexanone	0.012	U	0.012	0.0041	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
4-Methyl-2-pentanone (MIBK)	0.012	U	0.012	0.0037	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Acetone	0.014	U	0.014	0.014	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Benzene	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Bromoform	0.0024	U	0.0024	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Bromomethane	0.0048	U	0.0048	0.0024	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1

Client Sample ID: 9C2_9-10

Date Collected: 04/02/25 13:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-54

Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0024	U	0.0024	0.00064	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Carbon tetrachloride	0.0024	U	0.0024	0.00093	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chlorobenzene	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chlorobromomethane	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chlorodibromomethane	0.0024	U	0.0024	0.0013	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chloroethane	0.0024	U	0.0024	0.0013	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chloroform	0.0024	U	0.0024	0.0023	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Chloromethane	0.0024	U	0.0024	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
cis-1,2-Dichloroethene	0.0024	U	0.0024	0.00086	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
cis-1,3-Dichloropropene	0.0024	U	0.0024	0.00066	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Cyclohexane	0.0024	U	0.0024	0.00053	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Dichlorobromomethane	0.0024	U	0.0024	0.00062	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Dichlorodifluoromethane	0.0024	U	0.0024	0.00081	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Ethylbenzene	0.0024	U	0.0024	0.0011	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Ethylene Dibromide	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Isopropylbenzene	0.0024	U	0.0024	0.00068	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Methyl acetate	0.012	U *	0.012	0.010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Methyl tert-butyl ether	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Methylcyclohexane	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Methylene Chloride	0.0048	U	0.0048	0.0027	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
m-Xylene & p-Xylene	0.0024	U	0.0024	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
n-Butylbenzene	0.0024	U	0.0024	0.00071	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
N-Propylbenzene	0.0024	U	0.0024	0.0011	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
o-Xylene	0.0024	U	0.0024	0.0011	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
sec-Butylbenzene	0.0024	U	0.0024	0.00069	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Styrene	0.0024	U	0.0024	0.00067	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
tert-Butylbenzene	0.0024	U	0.0024	0.00066	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Tetrachloroethene	0.0024	U	0.0024	0.00073	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Toluene	0.0024	U	0.0024	0.00056	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
trans-1,2-Dichloroethene	0.0024	U	0.0024	0.00059	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
trans-1,3-Dichloropropene	0.0024	U	0.0024	0.00064	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Trichloroethene	0.0024	U	0.0024	0.00077	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Trichlorofluoromethane	0.0024	U	0.0024	0.00097	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Vinyl chloride	0.0024	U	0.0024	0.0013	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1
Xylenes, Total	0.0048	U	0.0048	0.00042	mg/Kg	☼	04/04/25 12:32	04/11/25 08:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*65 - 138*	*04/04/25 12:32*	*04/11/25 08:35*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:32*	*04/11/25 08:35*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/04/25 12:32*	*04/11/25 08:35*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/04/25 12:32*	*04/11/25 08:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**15.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**84.9**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9C3_4-5
Date Collected: 04/02/25 13:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-55
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1

Client Sample ID: 9C3_4-5

Date Collected: 04/02/25 13:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-55

Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00036	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/04/25 12:32	04/11/25 01:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*65 - 138*	*04/04/25 12:32*	*04/11/25 01:56*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/04/25 12:32*	*04/11/25 01:56*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*04/04/25 12:32*	*04/11/25 01:56*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:32*	*04/11/25 01:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.0**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.0**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9C3_8-9

Date Collected: 04/02/25 14:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-56

Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Acetone	0.0060	U	0.0060	0.0058	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1

Client Sample ID: 9C3_8-9
Date Collected: 04/02/25 14:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-56
Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Methyl acetate	0.0050	U *	0.0050	0.0043	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/04/25 12:33	04/11/25 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*	*04/04/25 12:33*	*04/11/25 09:00*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*04/04/25 12:33*	*04/11/25 09:00*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/04/25 12:33*	*04/11/25 09:00*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:33*	*04/11/25 09:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**14.1**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**85.9**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9D1_0-1
Date Collected: 04/02/25 14:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-57
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1

Client Sample ID: 9D1_0-1

Date Collected: 04/02/25 14:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-57

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/04/25 12:33	04/11/25 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*65 - 138*	*04/04/25 12:33*	*04/11/25 02:47*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/04/25 12:33*	*04/11/25 02:47*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/04/25 12:33*	*04/11/25 02:47*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/04/25 12:33*	*04/11/25 02:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.4**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**86.6**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9D1_7-8

Date Collected: 04/02/25 14:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-58

Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,1,2-Trichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00064	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2-Dibromo-3-Chloropropane	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00032	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Benzene	0.00086	U	0.00086	0.00049	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Bromoform	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1

Client Sample ID: 9D1_7-8
Date Collected: 04/02/25 14:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-58
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chlorobenzene	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chlorobromomethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chlorodibromomethane	0.00086	U	0.00086	0.00046	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chloroform	0.00086	U	0.00086	0.00084	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Chloromethane	0.00086	U	0.00086	0.00038	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Ethylbenzene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Ethylene Dibromide	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Isopropylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Methyl acetate	0.0043	U *	0.0043	0.0037	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
N-Propylbenzene	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
o-Xylene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
trans-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Vinyl chloride	0.00086	U	0.00086	0.00047	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/04/25 12:34	04/11/25 09:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*65 - 138*	*04/04/25 12:34*	*04/11/25 09:24*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/04/25 12:34*	*04/11/25 09:24*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*04/04/25 12:34*	*04/11/25 09:24*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/04/25 12:34*	*04/11/25 09:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.6		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	87.4		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9D2_3-4
Date Collected: 04/02/25 14:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-59
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00086	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00086	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0011	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
2-Butanone (MEK)	0.0072	U	0.0072	0.00053	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
2-Hexanone	0.0072	U	0.0072	0.0025	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
4-Methyl-2-pentanone (MIBK)	0.0072	U	0.0072	0.0022	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Benzene	0.0014	U	0.0014	0.00081	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Bromoform	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Bromomethane	0.0029	U	0.0029	0.0014	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chlorobenzene	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chlorobromomethane	0.0014	U	0.0014	0.00085	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chlorodibromomethane	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Chloromethane	0.0014	U	0.0014	0.00062	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Cyclohexane	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Dichlorobromomethane	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Ethylbenzene	0.0014	U	0.0014	0.00067	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Ethylene Dibromide	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Isopropylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Methyl acetate	0.0072	U	0.0072	0.0062	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Methylcyclohexane	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Methylene Chloride	0.0029	U	0.0029	0.0016	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
N-Propylbenzene	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
o-Xylene	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Styrene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1

Client Sample ID: 9D2_3-4

Lab Sample ID: 460-323430-59

Date Collected: 04/02/25 14:15
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Toluene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Vinyl chloride	0.0014	U	0.0014	0.00078	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*132*		*65 - 138*	*04/04/25 12:34*	*04/11/25 03:37*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/04/25 12:34*	*04/11/25 03:37*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/04/25 12:34*	*04/11/25 03:37*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/04/25 12:34*	*04/11/25 03:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9D2_9-10

Lab Sample ID: 460-323430-60

Date Collected: 04/02/25 14:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1

Client Sample ID: 9D2_9-10
Date Collected: 04/02/25 14:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-60
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/04/25 12:34	04/11/25 04:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*65 - 138*	*04/04/25 12:34*	*04/11/25 04:02*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/04/25 12:34*	*04/11/25 04:02*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*04/04/25 12:34*	*04/11/25 04:02*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/04/25 12:34*	*04/11/25 04:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.0**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**88.0**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9D3_2-3
Date Collected: 04/02/25 14:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-61
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00060	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2-Dibromo-3-Chloropropane	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00030	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0013	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Acetone	0.0048	U	0.0048	0.0046	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Benzene	0.00081	U	0.00081	0.00046	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Bromoform	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Carbon disulfide	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Carbon tetrachloride	0.00081	U	0.00081	0.00031	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chlorobenzene	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chlorobromomethane	0.00081	U	0.00081	0.00048	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chlorodibromomethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chloroethane	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chloroform	0.00081	U	0.00081	0.00078	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00027	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Ethylbenzene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Ethylene Dibromide	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Methyl acetate	0.0040	U *	0.0040	0.0035	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Methylcyclohexane	0.00081	U	0.00081	0.00040	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Methylene Chloride	0.0016	U	0.0016	0.00092	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
N-Propylbenzene	0.00081	U	0.00081	0.00036	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
o-Xylene	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Styrene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1

Client Sample ID: 9D3_2-3

Lab Sample ID: 460-323430-61

Date Collected: 04/02/25 14:25
Date Received: 04/03/25 12:11

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/04/25 12:35	04/11/25 09:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*65 - 138*	*04/04/25 12:35*	*04/11/25 09:49*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/04/25 12:35*	*04/11/25 09:49*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/04/25 12:35*	*04/11/25 09:49*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/04/25 12:35*	*04/11/25 09:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.3**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.7**		1.0	1.0	%			04/04/25 06:53	1

Client Sample ID: 9D3_5-6

Lab Sample ID: 460-323430-62

Date Collected: 04/02/25 14:30
Date Received: 04/03/25 12:11

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,1,2,2-Tetrachloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00079	U	0.00079	0.00024	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,1,2-Trichloroethane	0.00079	U	0.00079	0.00048	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,1-Dichloroethane	0.00079	U	0.00079	0.00047	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,1-Dichloroethene	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2,3-Trichlorobenzene	0.00079	U	0.00079	0.00059	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.00028	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2,4-Trimethylbenzene	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2-Dibromo-3-Chloropropane	0.00079	U	0.00079	0.00036	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2-Dichloroethane	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,2-Dichloropropane	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,3,5-Trimethylbenzene	0.00079	U	0.00079	0.00025	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,3-Dichlorobenzene	0.00079	U	0.00079	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
1,4-Dichlorobenzene	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
2-Butanone (MEK)	0.0040	U	0.0040	0.00029	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
2-Hexanone	0.0040	U	0.0040	0.0014	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
4-Methyl-2-pentanone (MIBK)	0.0040	U	0.0040	0.0012	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Acetone	0.0048	U	0.0048	0.0045	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Benzene	0.00079	U	0.00079	0.00045	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Bromoform	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Bromomethane	0.0016	U	0.0016	0.00079	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1

Client Sample ID: 9D3_5-6
Date Collected: 04/02/25 14:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-62
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00079	U	0.00079	0.00021	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Carbon tetrachloride	0.00079	U	0.00079	0.00031	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chlorobenzene	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chlorobromomethane	0.00079	U	0.00079	0.00047	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chlorodibromomethane	0.00079	U	0.00079	0.00043	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chloroethane	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chloroform	0.00079	U	0.00079	0.00077	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Chloromethane	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
cis-1,2-Dichloroethene	0.00079	U	0.00079	0.00028	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
cis-1,3-Dichloropropene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Cyclohexane	0.00079	U	0.00079	0.00018	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Dichlorobromomethane	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Dichlorodifluoromethane	0.00079	U	0.00079	0.00027	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Ethylbenzene	0.00079	U	0.00079	0.00037	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Ethylene Dibromide	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Isopropylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Methyl acetate	0.0040	U	0.0040	0.0034	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Methyl tert-butyl ether	0.00079	U	0.00079	0.00041	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Methylcyclohexane	0.00079	U	0.00079	0.00040	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Methylene Chloride	0.0016	U	0.0016	0.00091	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
m-Xylene & p-Xylene	0.00079	U	0.00079	0.00034	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
n-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
N-Propylbenzene	0.00079	U	0.00079	0.00036	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
o-Xylene	0.00079	U	0.00079	0.00037	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
sec-Butylbenzene	0.00079	U	0.00079	0.00023	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Styrene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
tert-Butylbenzene	0.00079	U	0.00079	0.00022	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Tetrachloroethene	0.00079	U	0.00079	0.00024	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Toluene	0.00079	U	0.00079	0.00019	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
trans-1,2-Dichloroethene	0.00079	U	0.00079	0.00020	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
trans-1,3-Dichloropropene	0.00079	U	0.00079	0.00021	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Trichloroethene	0.00079	U	0.00079	0.00025	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Trichlorofluoromethane	0.00079	U	0.00079	0.00032	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Vinyl chloride	0.00079	U	0.00079	0.00043	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/04/25 12:35	04/11/25 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/04/25 12:35*	*04/11/25 10:36*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/04/25 12:35*	*04/11/25 10:36*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/04/25 12:35*	*04/11/25 10:36*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/04/25 12:35*	*04/11/25 10:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.7**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**89.3**		1.0	1.0	%			04/04/25 06:53	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9D3_7-8
Date Collected: 04/02/25 14:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-63
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00066	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00033	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Acetone	0.0053	U	0.0053	0.0051	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Benzene	0.00089	U	0.00089	0.00050	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Carbon tetrachloride	0.00089	U	0.00089	0.00034	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chlorobenzene	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chlorobromomethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chlorodibromomethane	0.00089	U	0.00089	0.00048	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chloroform	0.00089	U	0.00089	0.00086	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Ethylbenzene	0.00089	U	0.00089	0.00042	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Ethylene Dibromide	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Methylcyclohexane	0.00089	U	0.00089	0.00044	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Methylene Chloride	**0.0024**		0.0018	0.0010	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
N-Propylbenzene	0.00089	U	0.00089	0.00040	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
o-Xylene	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9D3_7-8
Date Collected: 04/02/25 14:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-63
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Vinyl chloride	0.00089	U	0.00089	0.00048	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/04/25 12:36	04/11/25 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/04/25 12:36*	*04/11/25 10:59*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/04/25 12:36*	*04/11/25 10:59*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/04/25 12:36*	*04/11/25 10:59*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/04/25 12:36*	*04/11/25 10:59*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.6**		1.0	1.0	%			04/04/25 06:53	1
Percent Solids (EPA Moisture)	**92.4**		1.0	1.0	%			04/04/25 06:53	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323430-1	10A1_1-2	95	97	96	100
460-323430-2	10A1_3-4	100	98	101	102
460-323430-3	10A1_6-7	94	94	96	100
460-323430-4	10A2_2-3	111	109	104	105
460-323430-5	10A2_5-6	95	99	93	93
460-323430-6	10A3_4-5	99	103	94	97
460-323430-7	10A3_7-8	96	99	94	96
460-323430-8	10B1_2-3	99	103	97	98
460-323430-9	10B1_5-6	99	101	94	94
460-323430-10	10B1_10-11	98	108	94	99
460-323430-11	10B2_3-4	104	103	98	96
460-323430-12	10B2_7-8	98	98	94	91
460-323430-13	10B3_4-5	100	103	94	95
460-323430-14	10B3_11-12	97	102	94	96
460-323430-15	10C1_0-1	118	91	111	98
460-323430-16	10C1_1-2	110	95	111	99
460-323430-17	10C2_2-3	95	94	98	99
460-323430-18	10C2_5-6	97	96	99	100
460-323430-19	10C2_7-8	96	95	98	97
460-323430-20	10C3_2-3	95	96	97	98
460-323430-21	10C3_6-7	96	95	99	98
460-323430-22	10D1_3-4	93	93	97	98
460-323430-23	10D1_7-8	95	94	100	99
460-323430-24	10D2_4-5	120	89	111	96
460-323430-25	10D2_9-10	118	90	110	99
460-323430-26	10D3_0-1	119	91	110	98
460-323430-27	10D3_5-6	118	93	111	99
460-323430-28	10D3_11-12	101	94	105	98
460-323430-29	10E1_4-5	102	98	109	99
460-323430-30	10E1_9-10	103	98	106	98
460-323430-31	10E1_11-12	107	95	109	100
460-323430-32	10E2_2-3	102	93	107	98
460-323430-33	10E2_7-8	96	98	93	94
460-323430-34	10E3_6-7	98	100	93	95
460-323430-35	10E3_9-10	97	101	95	95
460-323430-36	9A1_0-1	97	101	92	92
460-323430-37	9A1_3-4	113	101	100	94
460-323430-38	9A2_4-5	98	99	96	94
460-323430-39	9A2_8-9	102	106	98	96
460-323430-40	9A3_4-5	101	101	97	93
460-323430-41	9A3_7-8	111	111	108	94
460-323430-42	9A3_9-10	99	102	98	92
460-323430-43	9B1_2-3	97	101	95	94
460-323430-44	9B1_6-7	98	102	95	91
460-323430-45	9B2_2-3	112	107	104	95
460-323430-46	9B2_8-9	98	100	98	94
460-323430-47	9B3_3-4	107	105	103	94
460-323430-48	9B3_9-10	106	111	101	97
460-323430-49	9B3_7-8	98	104	102	95

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323430-50	9C1_1-2	99	97	95	91
460-323430-51	9C1_5-6	97	103	97	93
460-323430-52	9C2_3-4	96	102	98	92
460-323430-53	9C2_6-7	114	86	104	91
460-323430-54	9C2_9-10	124	94	117	101
460-323430-55	9C3_4-5	123	92	112	99
460-323430-56	9C3_8-9	127	89	116	98
460-323430-57	9D1_0-1	125	91	116	97
460-323430-58	9D1_7-8	123	91	114	97
460-323430-59	9D2_3-4	132	94	118	100
460-323430-60	9D2_9-10	122	92	114	99
460-323430-61	9D3_2-3	129	90	115	98
460-323430-62	9D3_5-6	102	103	100	92
460-323430-63	9D3_7-8	100	102	96	92
LCS 460-1030517/3	Lab Control Sample	87	97	87	95
LCS 460-1030559/3	Lab Control Sample	93	96	96	103
LCS 460-1030727/2	Lab Control Sample	94	100	99	105
LCS 460-1030749/3	Lab Control Sample	90	98	87	98
LCS 460-1030761/3	Lab Control Sample	93	98	98	104
LCS 460-1030894/2	Lab Control Sample	99	98	104	103
LCS 460-1030911/3	Lab Control Sample	92	96	92	94
LCS 460-1030982/3	Lab Control Sample	111	95	106	106
LCS 460-1030983/3	Lab Control Sample	93	102	93	93
LCSD 460-1030517/4	Lab Control Sample Dup	91	99	88	98
LCSD 460-1030559/4	Lab Control Sample Dup	92	99	97	107
LCSD 460-1030727/3	Lab Control Sample Dup	84	89	88	94
LCSD 460-1030749/4	Lab Control Sample Dup	93	100	90	99
LCSD 460-1030761/4	Lab Control Sample Dup	94	97	98	104
LCSD 460-1030894/3	Lab Control Sample Dup	95	97	99	103
LCSD 460-1030911/4	Lab Control Sample Dup	97	105	95	101
LCSD 460-1030982/4	Lab Control Sample Dup	110	96	103	106
LCSD 460-1030983/4	Lab Control Sample Dup	91	102	95	93
MB 460-1030517/8	Method Blank	93	101	91	98
MB 460-1030559/8	Method Blank	98	92	104	101
MB 460-1030727/6	Method Blank	97	96	100	101
MB 460-1030749/8	Method Blank	99	101	95	101
MB 460-1030761/7	Method Blank	96	97	102	105
MB 460-1030894/6	Method Blank	103	94	106	99
MB 460-1030911/8	Method Blank	100	102	96	96
MB 460-1030982/7	Method Blank	118	94	113	104
MB 460-1030983/8	Method Blank	94	103	94	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1030517/8
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 08:59	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/09/25 08:59	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 08:59	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 08:59	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 08:59	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/09/25 08:59	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 08:59	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/09/25 08:59	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/09/25 08:59	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 08:59	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/09/25 08:59	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/09/25 08:59	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/09/25 08:59	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/09/25 08:59	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 08:59	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/09/25 08:59	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/09/25 08:59	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/09/25 08:59	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/09/25 08:59	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/09/25 08:59	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/09/25 08:59	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/09/25 08:59	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 08:59	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/09/25 08:59	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/09/25 08:59	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 08:59	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/09/25 08:59	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 08:59	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/09/25 08:59	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/09/25 08:59	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 08:59	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 08:59	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/09/25 08:59	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/09/25 08:59	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/09/25 08:59	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/09/25 08:59	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/09/25 08:59	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 08:59	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/09/25 08:59	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/09/25 08:59	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/09/25 08:59	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/09/25 08:59	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/09/25 08:59	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 08:59	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/09/25 08:59	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/09/25 08:59	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 08:59	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030517/8
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/09/25 08:59	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/09/25 08:59	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/09/25 08:59	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 08:59	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/09/25 08:59	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 08:59	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/09/25 08:59	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/09/25 08:59	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/09/25 08:59	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/09/25 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*		*04/09/25 08:59*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*		*04/09/25 08:59*	*1*
Dibromofluoromethane (Surr)	*91*		*50 - 150*		*04/09/25 08:59*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*04/09/25 08:59*	*1*

Lab Sample ID: LCS 460-1030517/3
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0179		mg/Kg		90	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0201		mg/Kg		100	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0183		mg/Kg		91	75 - 121
1,1,2-Trichloroethane	0.0200	0.0187		mg/Kg		94	80 - 120
1,1-Dichloroethane	0.0200	0.0189		mg/Kg		95	72 - 120
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0189		mg/Kg		95	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0187		mg/Kg		93	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0204		mg/Kg		102	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0185		mg/Kg		93	80 - 124
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0175		mg/Kg		88	70 - 123
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		96	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0201		mg/Kg		101	70 - 120
1,3-Dichlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120
2-Butanone (MEK)	0.100	0.0832		mg/Kg		83	64 - 128
2-Hexanone	0.100	0.0914		mg/Kg		91	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0920		mg/Kg		92	80 - 120
Acetone	0.100	0.0778		mg/Kg		78	58 - 122
Benzene	0.0200	0.0200		mg/Kg		100	75 - 120
Bromoform	0.0200	0.0172		mg/Kg		86	61 - 125
Bromomethane	0.0200	0.0178		mg/Kg		89	37 - 150
Carbon disulfide	0.0200	0.0224		mg/Kg		112	57 - 133
Carbon tetrachloride	0.0200	0.0177		mg/Kg		88	66 - 127
Chlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030517/3
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0163		mg/Kg		82	76 - 127
Chlorodibromomethane	0.0200	0.0172		mg/Kg		86	72 - 120
Chloroethane	0.0200	0.0184		mg/Kg		92	60 - 123
Chloroform	0.0200	0.0178		mg/Kg		89	79 - 126
Chloromethane	0.0200	0.0200		mg/Kg		100	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0175		mg/Kg		87	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0197		mg/Kg		98	75 - 120
Cyclohexane	0.0200	0.0200		mg/Kg		100	65 - 132
Dichlorobromomethane	0.0200	0.0171		mg/Kg		86	77 - 124
Dichlorodifluoromethane	0.0200	0.0168		mg/Kg		84	45 - 129
Ethylbenzene	0.0200	0.0185		mg/Kg		92	80 - 120
Ethylene Dibromide	0.0200	0.0185		mg/Kg		93	79 - 120
Isopropylbenzene	0.0200	0.0194		mg/Kg		97	74 - 120
Methyl acetate	0.0400	0.0423		mg/Kg		106	57 - 120
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		89	74 - 125
Methylcyclohexane	0.0200	0.0198		mg/Kg		99	66 - 125
Methylene Chloride	0.0200	0.0179		mg/Kg		89	78 - 120
m-Xylene & p-Xylene	0.0200	0.0190		mg/Kg		95	80 - 120
n-Butylbenzene	0.0200	0.0198		mg/Kg		99	72 - 120
N-Propylbenzene	0.0200	0.0197		mg/Kg		98	68 - 120
o-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
sec-Butylbenzene	0.0200	0.0208		mg/Kg		104	78 - 120
Styrene	0.0200	0.0187		mg/Kg		94	80 - 120
tert-Butylbenzene	0.0200	0.0196		mg/Kg		98	80 - 120
Tetrachloroethene	0.0200	0.0179		mg/Kg		90	73 - 120
Toluene	0.0200	0.0191		mg/Kg		95	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0196		mg/Kg		98	77 - 120
Trichloroethene	0.0200	0.0182		mg/Kg		91	80 - 120
Trichlorofluoromethane	0.0200	0.0182		mg/Kg		91	61 - 130
Vinyl chloride	0.0200	0.0200		mg/Kg		100	54 - 122
Xylenes, Total	0.0400	0.0376		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: LCSD 460-1030517/4
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0169		mg/Kg		84	78 - 120	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0191		mg/Kg		96	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0178		mg/Kg		89	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0183		mg/Kg		91	80 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030517/4
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0181		mg/Kg		90	72 - 120	5	30
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	76 - 120	0	30
1,2,3-Trichlorobenzene	0.0200	0.0170		mg/Kg		85	77 - 137	11	30
1,2,4-Trichlorobenzene	0.0200	0.0163		mg/Kg		81	77 - 136	14	30
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120	10	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0176		mg/Kg		88	80 - 124	5	30
1,2-Dichlorobenzene	0.0200	0.0175		mg/Kg		87	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 123	0	30
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		92	73 - 124	5	30
1,3,5-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	70 - 120	10	30
1,3-Dichlorobenzene	0.0200	0.0171		mg/Kg		85	80 - 120	7	30
1,4-Dichlorobenzene	0.0200	0.0168		mg/Kg		84	80 - 120	6	30
2-Butanone (MEK)	0.100	0.0791		mg/Kg		79	64 - 128	5	30
2-Hexanone	0.100	0.0864		mg/Kg		86	75 - 120	6	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0875		mg/Kg		88	80 - 120	5	30
Acetone	0.100	0.0739		mg/Kg		74	58 - 122	5	30
Benzene	0.0200	0.0193		mg/Kg		96	75 - 120	4	30
Bromoform	0.0200	0.0162		mg/Kg		81	61 - 125	6	30
Bromomethane	0.0200	0.0178		mg/Kg		89	37 - 150	0	30
Carbon disulfide	0.0200	0.0218		mg/Kg		109	57 - 133	3	30
Carbon tetrachloride	0.0200	0.0168		mg/Kg		84	66 - 127	5	30
Chlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120	2	30
Chlorobromomethane	0.0200	0.0158		mg/Kg		79	76 - 127	3	30
Chlorodibromomethane	0.0200	0.0171		mg/Kg		86	72 - 120	1	30
Chloroethane	0.0200	0.0185		mg/Kg		92	60 - 123	0	30
Chloroform	0.0200	0.0174		mg/Kg		87	79 - 126	2	30
Chloromethane	0.0200	0.0196		mg/Kg		98	46 - 122	2	30
cis-1,2-Dichloroethene	0.0200	0.0172		mg/Kg		86	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0190		mg/Kg		95	75 - 120	3	30
Cyclohexane	0.0200	0.0184		mg/Kg		92	65 - 132	8	30
Dichlorobromomethane	0.0200	0.0174		mg/Kg		87	77 - 124	2	30
Dichlorodifluoromethane	0.0200	0.0162		mg/Kg		81	45 - 129	4	30
Ethylbenzene	0.0200	0.0177		mg/Kg		88	80 - 120	4	30
Ethylene Dibromide	0.0200	0.0181		mg/Kg		90	79 - 120	2	30
Isopropylbenzene	0.0200	0.0180		mg/Kg		90	74 - 120	8	30
Methyl acetate	0.0400	0.0393		mg/Kg		98	57 - 120	8	30
Methyl tert-butyl ether	0.0200	0.0174		mg/Kg		87	74 - 125	3	30
Methylcyclohexane	0.0200	0.0181		mg/Kg		90	66 - 125	9	30
Methylene Chloride	0.0200	0.0174		mg/Kg		87	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0178		mg/Kg		89	80 - 120	6	30
n-Butylbenzene	0.0200	0.0182		mg/Kg		91	72 - 120	8	30
N-Propylbenzene	0.0200	0.0179		mg/Kg		89	68 - 120	9	30
o-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120	2	30
sec-Butylbenzene	0.0200	0.0187		mg/Kg		94	78 - 120	11	30
Styrene	0.0200	0.0180		mg/Kg		90	80 - 120	4	30
tert-Butylbenzene	0.0200	0.0178		mg/Kg		89	80 - 120	10	30
Tetrachloroethene	0.0200	0.0172		mg/Kg		86	73 - 120	4	30
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0176		mg/Kg		88	78 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030517/4
Matrix: Solid
Analysis Batch: 1030517

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0186		mg/Kg		93	77 - 120	5	30
Trichloroethene			0.0200	0.0173		mg/Kg		86	80 - 120	5	30
Trichlorofluoromethane			0.0200	0.0171		mg/Kg		85	61 - 130	6	30
Vinyl chloride			0.0200	0.0191		mg/Kg		95	54 - 122	4	30
Xylenes, Total			0.0400	0.0361		mg/Kg		90	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*88*		*50 - 150*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: MB 460-1030559/8
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 14:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 14:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/09/25 14:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 14:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 14:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 14:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/09/25 14:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 14:21	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/09/25 14:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/09/25 14:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 14:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/09/25 14:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/09/25 14:21	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/09/25 14:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/09/25 14:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 14:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/09/25 14:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/09/25 14:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/09/25 14:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/09/25 14:21	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/09/25 14:21	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/09/25 14:21	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/09/25 14:21	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 14:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/09/25 14:21	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/09/25 14:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/09/25 14:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/09/25 14:21	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/09/25 14:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/09/25 14:21	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/09/25 14:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030559/8
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/09/25 14:21	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 14:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/09/25 14:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/09/25 14:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/09/25 14:21	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/09/25 14:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/09/25 14:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 14:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/09/25 14:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/09/25 14:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/09/25 14:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/09/25 14:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/09/25 14:21	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 14:21	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/09/25 14:21	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/09/25 14:21	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/09/25 14:21	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/09/25 14:21	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/09/25 14:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/09/25 14:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/09/25 14:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/09/25 14:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/09/25 14:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/09/25 14:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/09/25 14:21	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/09/25 14:21	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/09/25 14:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*		*04/09/25 14:21*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*		*04/09/25 14:21*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*		*04/09/25 14:21*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*04/09/25 14:21*	*1*

Lab Sample ID: LCS 460-1030559/3
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		99	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0206		mg/Kg		103	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0206		mg/Kg		103	75 - 121
1,1,2-Trichloroethane	0.0200	0.0217		mg/Kg		109	80 - 120
1,1-Dichloroethane	0.0200	0.0204		mg/Kg		102	72 - 120
1,1-Dichloroethene	0.0200	0.0203		mg/Kg		101	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		105	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0193		mg/Kg		96	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030559/3
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0216		mg/Kg		108	80 - 124
1,2-Dichlorobenzene	0.0200	0.0217		mg/Kg		109	80 - 120
1,2-Dichloroethane	0.0200	0.0195		mg/Kg		97	70 - 123
1,2-Dichloropropane	0.0200	0.0208		mg/Kg		104	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0199		mg/Kg		100	70 - 120
1,3-Dichlorobenzene	0.0200	0.0216		mg/Kg		108	80 - 120
1,4-Dichlorobenzene	0.0200	0.0213		mg/Kg		106	80 - 120
2-Butanone (MEK)	0.100	0.0950		mg/Kg		95	64 - 128
2-Hexanone	0.100	0.0971		mg/Kg		97	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0993		mg/Kg		99	80 - 120
Acetone	0.100	0.0985		mg/Kg		98	58 - 122
Benzene	0.0200	0.0220		mg/Kg		110	75 - 120
Bromoform	0.0200	0.0228		mg/Kg		114	61 - 125
Bromomethane	0.0200	0.0266		mg/Kg		133	37 - 150
Carbon disulfide	0.0200	0.0215		mg/Kg		107	57 - 133
Carbon tetrachloride	0.0200	0.0204		mg/Kg		102	66 - 127
Chlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Chlorobromomethane	0.0200	0.0210		mg/Kg		105	76 - 127
Chlorodibromomethane	0.0200	0.0217		mg/Kg		108	72 - 120
Chloroethane	0.0200	0.0276	*	mg/Kg		138	60 - 123
Chloroform	0.0200	0.0198		mg/Kg		99	79 - 126
Chloromethane	0.0200	0.0277	*	mg/Kg		139	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0209		mg/Kg		105	75 - 120
Cyclohexane	0.0200	0.0202		mg/Kg		101	65 - 132
Dichlorobromomethane	0.0200	0.0194		mg/Kg		97	77 - 124
Dichlorodifluoromethane	0.0200	0.0228		mg/Kg		114	45 - 129
Ethylbenzene	0.0200	0.0212		mg/Kg		106	80 - 120
Ethylene Dibromide	0.0200	0.0210		mg/Kg		105	79 - 120
Isopropylbenzene	0.0200	0.0205		mg/Kg		102	74 - 120
Methyl acetate	0.0400	0.0446		mg/Kg		111	57 - 120
Methyl tert-butyl ether	0.0200	0.0177		mg/Kg		89	74 - 125
Methylcyclohexane	0.0200	0.0206		mg/Kg		103	66 - 125
Methylene Chloride	0.0200	0.0208		mg/Kg		104	78 - 120
m-Xylene & p-Xylene	0.0200	0.0205		mg/Kg		102	80 - 120
n-Butylbenzene	0.0200	0.0215		mg/Kg		108	72 - 120
N-Propylbenzene	0.0200	0.0205		mg/Kg		103	68 - 120
o-Xylene	0.0200	0.0205		mg/Kg		103	80 - 120
sec-Butylbenzene	0.0200	0.0198		mg/Kg		99	78 - 120
Styrene	0.0200	0.0212		mg/Kg		106	80 - 120
tert-Butylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Tetrachloroethene	0.0200	0.0241		mg/Kg		120	73 - 120
Toluene	0.0200	0.0206		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0200		mg/Kg		100	77 - 120
Trichloroethene	0.0200	0.0192		mg/Kg		96	80 - 120
Trichlorofluoromethane	0.0200	0.0244		mg/Kg		122	61 - 130
Vinyl chloride	0.0200	0.0267	*	mg/Kg		133	54 - 122
Xylenes, Total	0.0400	0.0410		mg/Kg		102	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		65 - 138
4-Bromofluorobenzene	96		71 - 128
Dibromofluoromethane (Surr)	96		50 - 150
Toluene-d8 (Surr)	103		71 - 126

Lab Sample ID: LCSD 460-1030559/4
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0196		mg/Kg		98	78 - 120	0	30
1,1,2,2-Tetrachloroethane			0.0200	0.0200		mg/Kg		100	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0215		mg/Kg		108	75 - 121	4	30
1,1,2-Trichloroethane			0.0200	0.0214		mg/Kg		107	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0207		mg/Kg		103	72 - 120	2	30
1,1-Dichloroethene			0.0200	0.0207		mg/Kg		104	76 - 120	2	30
1,2,3-Trichlorobenzene			0.0200	0.0207		mg/Kg		103	77 - 137	2	30
1,2,4-Trichlorobenzene			0.0200	0.0204		mg/Kg		102	77 - 136	1	30
1,2,4-Trimethylbenzene			0.0200	0.0196		mg/Kg		98	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0196		mg/Kg		98	80 - 124	9	30
1,2-Dichlorobenzene			0.0200	0.0222		mg/Kg		111	80 - 120	2	30
1,2-Dichloroethane			0.0200	0.0189		mg/Kg		94	70 - 123	3	30
1,2-Dichloropropane			0.0200	0.0209		mg/Kg		105	73 - 124	0	30
1,3,5-Trimethylbenzene			0.0200	0.0204		mg/Kg		102	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0214		mg/Kg		107	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0213		mg/Kg		107	80 - 120	0	30
2-Butanone (MEK)			0.100	0.0955		mg/Kg		96	64 - 128	1	30
2-Hexanone			0.100	0.0978		mg/Kg		98	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.103		mg/Kg		103	80 - 120	4	30
Acetone			0.100	0.103		mg/Kg		103	58 - 122	5	30
Benzene			0.0200	0.0223		mg/Kg		111	75 - 120	1	30
Bromoform			0.0200	0.0217		mg/Kg		108	61 - 125	5	30
Bromomethane			0.0200	0.0249		mg/Kg		124	37 - 150	7	30
Carbon disulfide			0.0200	0.0216		mg/Kg		108	57 - 133	0	30
Carbon tetrachloride			0.0200	0.0206		mg/Kg		103	66 - 127	1	30
Chlorobenzene			0.0200	0.0218		mg/Kg		109	80 - 120	2	30
Chlorobromomethane			0.0200	0.0210		mg/Kg		105	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0215		mg/Kg		108	72 - 120	1	30
Chloroethane			0.0200	0.0260	*	mg/Kg		130	60 - 123	6	30
Chloroform			0.0200	0.0196		mg/Kg		98	79 - 126	1	30
Chloromethane			0.0200	0.0258	*	mg/Kg		129	46 - 122	7	30
cis-1,2-Dichloroethene			0.0200	0.0203		mg/Kg		101	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0215		mg/Kg		107	75 - 120	3	30
Cyclohexane			0.0200	0.0208		mg/Kg		104	65 - 132	3	30
Dichlorobromomethane			0.0200	0.0192		mg/Kg		96	77 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0208		mg/Kg		104	45 - 129	9	30
Ethylbenzene			0.0200	0.0216		mg/Kg		108	80 - 120	2	30
Ethylene Dibromide			0.0200	0.0209		mg/Kg		104	79 - 120	1	30
Isopropylbenzene			0.0200	0.0207		mg/Kg		103	74 - 120	1	30
Methyl acetate			0.0400	0.0402		mg/Kg		101	57 - 120	10	30
Methyl tert-butyl ether			0.0200	0.0174		mg/Kg		87	74 - 125	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030559/4
Matrix: Solid
Analysis Batch: 1030559

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0204		mg/Kg		102	66 - 125	1	30
Methylene Chloride			0.0200	0.0205		mg/Kg		103	78 - 120	1	30
m-Xylene & p-Xylene			0.0200	0.0205		mg/Kg		103	80 - 120	0	30
n-Butylbenzene			0.0200	0.0218		mg/Kg		109	72 - 120	1	30
N-Propylbenzene			0.0200	0.0213		mg/Kg		106	68 - 120	4	30
o-Xylene			0.0200	0.0206		mg/Kg		103	80 - 120	0	30
sec-Butylbenzene			0.0200	0.0208		mg/Kg		104	78 - 120	5	30
Styrene			0.0200	0.0211		mg/Kg		106	80 - 120	0	30
tert-Butylbenzene			0.0200	0.0204		mg/Kg		102	80 - 120	5	30
Tetrachloroethene			0.0200	0.0239		mg/Kg		119	73 - 120	1	30
Toluene			0.0200	0.0211		mg/Kg		106	80 - 120	3	30
trans-1,2-Dichloroethene			0.0200	0.0207		mg/Kg		103	78 - 120	0	30
trans-1,3-Dichloropropene			0.0200	0.0201		mg/Kg		101	77 - 120	0	30
Trichloroethene			0.0200	0.0194		mg/Kg		97	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0228		mg/Kg		114	61 - 130	7	30
Vinyl chloride			0.0200	0.0249	*	mg/Kg		125	54 - 122	7	30
Xylenes, Total			0.0400	0.0411		mg/Kg		103	80 - 120	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*97*		*50 - 150*
Toluene-d8 (Surr)	*107*		*71 - 126*

Lab Sample ID: MB 460-1030727/6
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 01:32	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 01:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 01:32	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 01:32	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 01:32	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 01:32	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/10/25 01:32	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 01:32	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 01:32	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 01:32	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 01:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 01:32	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 01:32	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 01:32	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/10/25 01:32	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 01:32	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/10/25 01:32	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/10/25 01:32	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/10/25 01:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030727/6
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/10/25 01:32	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/10/25 01:32	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/10/25 01:32	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/10/25 01:32	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 01:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/10/25 01:32	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 01:32	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 01:32	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/10/25 01:32	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 01:32	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/10/25 01:32	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/10/25 01:32	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 01:32	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 01:32	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/10/25 01:32	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/10/25 01:32	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/10/25 01:32	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/10/25 01:32	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 01:32	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 01:32	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/10/25 01:32	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 01:32	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 01:32	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/10/25 01:32	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 01:32	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 01:32	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/10/25 01:32	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 01:32	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 01:32	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 01:32	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 01:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 01:32	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 01:32	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 01:32	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 01:32	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/10/25 01:32	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/10/25 01:32	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/10/25 01:32	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/10/25 01:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*		*04/10/25 01:32*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*		*04/10/25 01:32*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*		*04/10/25 01:32*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*04/10/25 01:32*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030727/2
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0172		mg/Kg		86	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0195		mg/Kg		97	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0179		mg/Kg		90	75 - 121
1,1,2-Trichloroethane	0.0200	0.0206		mg/Kg		103	80 - 120
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		97	72 - 120
1,1-Dichloroethene	0.0200	0.0184		mg/Kg		92	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0183		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0175		mg/Kg		87	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0169		mg/Kg		85	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0205		mg/Kg		102	80 - 124
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
1,2-Dichloroethane	0.0200	0.0181		mg/Kg		91	70 - 123
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0173		mg/Kg		86	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0922		mg/Kg		92	64 - 128
2-Hexanone	0.100	0.0968		mg/Kg		97	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.101		mg/Kg		101	80 - 120
Acetone	0.100	0.0947		mg/Kg		95	58 - 122
Benzene	0.0200	0.0198		mg/Kg		99	75 - 120
Bromoform	0.0200	0.0206		mg/Kg		103	61 - 125
Bromomethane	0.0200	0.0214		mg/Kg		107	37 - 150
Carbon disulfide	0.0200	0.0180		mg/Kg		90	57 - 133
Carbon tetrachloride	0.0200	0.0173		mg/Kg		87	66 - 127
Chlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Chlorobromomethane	0.0200	0.0203		mg/Kg		101	76 - 127
Chlorodibromomethane	0.0200	0.0202		mg/Kg		101	72 - 120
Chloroethane	0.0200	0.0229		mg/Kg		114	60 - 123
Chloroform	0.0200	0.0184		mg/Kg		92	79 - 126
Chloromethane	0.0200	0.0226		mg/Kg		113	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0200		mg/Kg		100	75 - 120
Cyclohexane	0.0200	0.0175		mg/Kg		87	65 - 132
Dichlorobromomethane	0.0200	0.0182		mg/Kg		91	77 - 124
Dichlorodifluoromethane	0.0200	0.0165		mg/Kg		82	45 - 129
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0176		mg/Kg		88	74 - 120
Methyl acetate	0.0400	0.0430		mg/Kg		108	57 - 120
Methyl tert-butyl ether	0.0200	0.0186		mg/Kg		93	74 - 125
Methylcyclohexane	0.0200	0.0166		mg/Kg		83	66 - 125
Methylene Chloride	0.0200	0.0196		mg/Kg		98	78 - 120
m-Xylene & p-Xylene	0.0200	0.0183		mg/Kg		91	80 - 120
n-Butylbenzene	0.0200	0.0165		mg/Kg		82	72 - 120
N-Propylbenzene	0.0200	0.0175		mg/Kg		88	68 - 120
o-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120
sec-Butylbenzene	0.0200	0.0164		mg/Kg		82	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030727/2
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	0.0200	0.0197		mg/Kg		98	80 - 120
tert-Butylbenzene	0.0200	0.0168		mg/Kg		84	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	73 - 120
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		94	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0195		mg/Kg		97	77 - 120
Trichloroethene	0.0200	0.0179		mg/Kg		90	80 - 120
Trichlorofluoromethane	0.0200	0.0190		mg/Kg		95	61 - 130
Vinyl chloride	0.0200	0.0213		mg/Kg		106	54 - 122
Xylenes, Total	0.0400	0.0375		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: LCSD 460-1030727/3
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0177		mg/Kg		88	78 - 120	3	30
1,1,2,2-Tetrachloroethane	0.0200	0.0202		mg/Kg		101	70 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0184		mg/Kg		92	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0218		mg/Kg		109	80 - 120	6	30
1,1-Dichloroethane	0.0200	0.0197		mg/Kg		99	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		96	76 - 120	4	30
1,2,3-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	77 - 137	0	30
1,2,4-Trichlorobenzene	0.0200	0.0172		mg/Kg		86	77 - 136	2	30
1,2,4-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0205		mg/Kg		102	80 - 124	0	30
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120	0	30
1,2-Dichloroethane	0.0200	0.0191		mg/Kg		96	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0208		mg/Kg		104	73 - 124	5	30
1,3,5-Trimethylbenzene	0.0200	0.0177		mg/Kg		89	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120	0	30
2-Butanone (MEK)	0.100	0.0952		mg/Kg		95	64 - 128	3	30
2-Hexanone	0.100	0.102		mg/Kg		102	75 - 120	6	30
4-Methyl-2-pentanone (MIBK)	0.100	0.105		mg/Kg		105	80 - 120	4	30
Acetone	0.100	0.0938		mg/Kg		94	58 - 122	1	30
Benzene	0.0200	0.0208		mg/Kg		104	75 - 120	5	30
Bromoform	0.0200	0.0217		mg/Kg		109	61 - 125	5	30
Bromomethane	0.0200	0.0201		mg/Kg		100	37 - 150	6	30
Carbon disulfide	0.0200	0.0183		mg/Kg		92	57 - 133	2	30
Carbon tetrachloride	0.0200	0.0177		mg/Kg		88	66 - 127	2	30
Chlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030727/3
Matrix: Solid
Analysis Batch: 1030727

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane	0.0200	0.0214		mg/Kg		107	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0216		mg/Kg		108	72 - 120	7	30
Chloroethane	0.0200	0.0216		mg/Kg		108	60 - 123	6	30
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126	3	30
Chloromethane	0.0200	0.0210		mg/Kg		105	46 - 122	8	30
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0215		mg/Kg		107	75 - 120	7	30
Cyclohexane	0.0200	0.0179		mg/Kg		90	65 - 132	3	30
Dichlorobromomethane	0.0200	0.0194		mg/Kg		97	77 - 124	6	30
Dichlorodifluoromethane	0.0200	0.0155		mg/Kg		78	45 - 129	6	30
Ethylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	2	30
Ethylene Dibromide	0.0200	0.0210		mg/Kg		105	79 - 120	6	30
Isopropylbenzene	0.0200	0.0184		mg/Kg		92	74 - 120	4	30
Methyl acetate	0.0400	0.0450		mg/Kg		112	57 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0190		mg/Kg		95	74 - 125	2	30
Methylcyclohexane	0.0200	0.0177		mg/Kg		88	66 - 125	6	30
Methylene Chloride	0.0200	0.0199		mg/Kg		100	78 - 120	2	30
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		96	80 - 120	4	30
n-Butylbenzene	0.0200	0.0172		mg/Kg		86	72 - 120	5	30
N-Propylbenzene	0.0200	0.0183		mg/Kg		91	68 - 120	4	30
o-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120	4	30
sec-Butylbenzene	0.0200	0.0178		mg/Kg		89	78 - 120	8	30
Styrene	0.0200	0.0203		mg/Kg		102	80 - 120	3	30
tert-Butylbenzene	0.0200	0.0181		mg/Kg		91	80 - 120	8	30
Tetrachloroethene	0.0200	0.0201		mg/Kg		101	73 - 120	3	30
Toluene	0.0200	0.0195		mg/Kg		97	80 - 120	5	30
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	78 - 120	1	30
trans-1,3-Dichloropropene	0.0200	0.0207		mg/Kg		103	77 - 120	6	30
Trichloroethene	0.0200	0.0182		mg/Kg		91	80 - 120	1	30
Trichlorofluoromethane	0.0200	0.0179		mg/Kg		90	61 - 130	6	30
Vinyl chloride	0.0200	0.0199		mg/Kg		100	54 - 122	7	30
Xylenes, Total	0.0400	0.0391		mg/Kg		98	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*65 - 138*
4-Bromofluorobenzene	*89*		*71 - 128*
Dibromofluoromethane (Surr)	*88*		*50 - 150*
Toluene-d8 (Surr)	*94*		*71 - 126*

Lab Sample ID: MB 460-1030749/8
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 07:41	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 07:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 07:41	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 07:41	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030749/8
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 07:41	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 07:41	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/10/25 07:41	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 07:41	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 07:41	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 07:41	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 07:41	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 07:41	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 07:41	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 07:41	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/10/25 07:41	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 07:41	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/10/25 07:41	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/10/25 07:41	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/10/25 07:41	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/10/25 07:41	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/10/25 07:41	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/10/25 07:41	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/10/25 07:41	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 07:41	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/10/25 07:41	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 07:41	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 07:41	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/10/25 07:41	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 07:41	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/10/25 07:41	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/10/25 07:41	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 07:41	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 07:41	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/10/25 07:41	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/10/25 07:41	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/10/25 07:41	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/10/25 07:41	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 07:41	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 07:41	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/10/25 07:41	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 07:41	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 07:41	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/10/25 07:41	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 07:41	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 07:41	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/10/25 07:41	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 07:41	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 07:41	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 07:41	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 07:41	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 07:41	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 07:41	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 07:41	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030749/8
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 07:41	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/10/25 07:41	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/10/25 07:41	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/10/25 07:41	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/10/25 07:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*		*04/10/25 07:41*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*		*04/10/25 07:41*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*		*04/10/25 07:41*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*04/10/25 07:41*	*1*

Lab Sample ID: LCS 460-1030749/3
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0191		mg/Kg		96	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0217		mg/Kg		108	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0200		mg/Kg		100	75 - 121
1,1,2-Trichloroethane	0.0200	0.0205		mg/Kg		102	80 - 120
1,1-Dichloroethane	0.0200	0.0199		mg/Kg		100	72 - 120
1,1-Dichloroethene	0.0200	0.0193		mg/Kg		96	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0213		mg/Kg		106	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0223		mg/Kg		112	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0198		mg/Kg		99	80 - 124
1,2-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 123
1,2-Dichloropropane	0.0200	0.0208		mg/Kg		104	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0221		mg/Kg		110	70 - 120
1,3-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120
1,4-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120
2-Butanone (MEK)	0.100	0.0918		mg/Kg		92	64 - 128
2-Hexanone	0.100	0.0984		mg/Kg		98	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0993		mg/Kg		99	80 - 120
Acetone	0.100	0.0868		mg/Kg		87	58 - 122
Benzene	0.0200	0.0217		mg/Kg		108	75 - 120
Bromoform	0.0200	0.0181		mg/Kg		90	61 - 125
Bromomethane	0.0200	0.0179		mg/Kg		90	37 - 150
Carbon disulfide	0.0200	0.0233		mg/Kg		116	57 - 133
Carbon tetrachloride	0.0200	0.0188		mg/Kg		94	66 - 127
Chlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0177		mg/Kg		89	76 - 127
Chlorodibromomethane	0.0200	0.0195		mg/Kg		98	72 - 120
Chloroethane	0.0200	0.0190		mg/Kg		95	60 - 123
Chloroform	0.0200	0.0191		mg/Kg		96	79 - 126
Chloromethane	0.0200	0.0194		mg/Kg		97	46 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030749/3
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0200	0.0190		mg/Kg		95	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0215		mg/Kg		107	75 - 120
Cyclohexane	0.0200	0.0207		mg/Kg		104	65 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		93	77 - 124
Dichlorodifluoromethane	0.0200	0.0153		mg/Kg		76	45 - 129
Ethylbenzene	0.0200	0.0205		mg/Kg		102	80 - 120
Ethylene Dibromide	0.0200	0.0201		mg/Kg		100	79 - 120
Isopropylbenzene	0.0200	0.0214		mg/Kg		107	74 - 120
Methyl acetate	0.0400	0.0437		mg/Kg		109	57 - 120
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	74 - 125
Methylcyclohexane	0.0200	0.0211		mg/Kg		106	66 - 125
Methylene Chloride	0.0200	0.0190		mg/Kg		95	78 - 120
m-Xylene & p-Xylene	0.0200	0.0211		mg/Kg		106	80 - 120
n-Butylbenzene	0.0200	0.0227		mg/Kg		114	72 - 120
N-Propylbenzene	0.0200	0.0212		mg/Kg		106	68 - 120
o-Xylene	0.0200	0.0208		mg/Kg		104	80 - 120
sec-Butylbenzene	0.0200	0.0232		mg/Kg		116	78 - 120
Styrene	0.0200	0.0207		mg/Kg		104	80 - 120
tert-Butylbenzene	0.0200	0.0218		mg/Kg		109	80 - 120
Tetrachloroethene	0.0200	0.0200		mg/Kg		100	73 - 120
Toluene	0.0200	0.0208		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		99	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0215		mg/Kg		107	77 - 120
Trichloroethene	0.0200	0.0186		mg/Kg		93	80 - 120
Trichlorofluoromethane	0.0200	0.0179		mg/Kg		90	61 - 130
Vinyl chloride	0.0200	0.0193		mg/Kg		96	54 - 122
Xylenes, Total	0.0400	0.0419		mg/Kg		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*87*		*50 - 150*
Toluene-d8 (Surr)	*98*		*71 - 126*

Lab Sample ID: LCSD 460-1030749/4
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0188		mg/Kg		94	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0210		mg/Kg		105	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0195		mg/Kg		97	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0198		mg/Kg		99	80 - 120	4	30
1,1-Dichloroethane	0.0200	0.0199		mg/Kg		100	72 - 120	0	30
1,1-Dichloroethene	0.0200	0.0190		mg/Kg		95	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	77 - 137	2	30
1,2,4-Trichlorobenzene	0.0200	0.0207		mg/Kg		104	77 - 136	3	30
1,2,4-Trimethylbenzene	0.0200	0.0222		mg/Kg		111	75 - 120	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030749/4
Matrix: Solid
Analysis Batch: 1030749

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0200	0.0193		mg/Kg		97	80 - 124	2	30
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 123	0	30
1,2-Dichloropropane	0.0200	0.0201		mg/Kg		100	73 - 124	3	30
1,3,5-Trimethylbenzene	0.0200	0.0217		mg/Kg		108	70 - 120	2	30
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
1,4-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0893		mg/Kg		89	64 - 128	3	30
2-Hexanone	0.100	0.0992		mg/Kg		99	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0996		mg/Kg		100	80 - 120	0	30
Acetone	0.100	0.0845		mg/Kg		84	58 - 122	3	30
Benzene	0.0200	0.0210		mg/Kg		105	75 - 120	3	30
Bromoform	0.0200	0.0185		mg/Kg		93	61 - 125	3	30
Bromomethane	0.0200	0.0215		mg/Kg		108	37 - 150	18	30
Carbon disulfide	0.0200	0.0223		mg/Kg		112	57 - 133	4	30
Carbon tetrachloride	0.0200	0.0185		mg/Kg		92	66 - 127	2	30
Chlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	2	30
Chlorobromomethane	0.0200	0.0174		mg/Kg		87	76 - 127	2	30
Chlorodibromomethane	0.0200	0.0190		mg/Kg		95	72 - 120	3	30
Chloroethane	0.0200	0.0236		mg/Kg		118	60 - 123	22	30
Chloroform	0.0200	0.0193		mg/Kg		97	79 - 126	1	30
Chloromethane	0.0200	0.0245	*	mg/Kg		123	46 - 122	23	30
cis-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0209		mg/Kg		105	75 - 120	3	30
Cyclohexane	0.0200	0.0211		mg/Kg		105	65 - 132	2	30
Dichlorobromomethane	0.0200	0.0183		mg/Kg		91	77 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0216	*	mg/Kg		108	45 - 129	34	30
Ethylbenzene	0.0200	0.0198		mg/Kg		99	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0202		mg/Kg		101	79 - 120	0	30
Isopropylbenzene	0.0200	0.0209		mg/Kg		105	74 - 120	2	30
Methyl acetate	0.0400	0.0446		mg/Kg		112	57 - 120	2	30
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	74 - 125	0	30
Methylcyclohexane	0.0200	0.0208		mg/Kg		104	66 - 125	1	30
Methylene Chloride	0.0200	0.0193		mg/Kg		96	78 - 120	1	30
m-Xylene & p-Xylene	0.0200	0.0201		mg/Kg		101	80 - 120	5	30
n-Butylbenzene	0.0200	0.0225		mg/Kg		113	72 - 120	1	30
N-Propylbenzene	0.0200	0.0210		mg/Kg		105	68 - 120	1	30
o-Xylene	0.0200	0.0207		mg/Kg		103	80 - 120	1	30
sec-Butylbenzene	0.0200	0.0226		mg/Kg		113	78 - 120	3	30
Styrene	0.0200	0.0205		mg/Kg		102	80 - 120	1	30
tert-Butylbenzene	0.0200	0.0211		mg/Kg		106	80 - 120	3	30
Tetrachloroethene	0.0200	0.0192		mg/Kg		96	73 - 120	4	30
Toluene	0.0200	0.0204		mg/Kg		102	80 - 120	2	30
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 120	4	30
trans-1,3-Dichloropropene	0.0200	0.0209		mg/Kg		104	77 - 120	3	30
Trichloroethene	0.0200	0.0191		mg/Kg		96	80 - 120	2	30
Trichlorofluoromethane	0.0200	0.0209		mg/Kg		104	61 - 130	15	30
Vinyl chloride	0.0200	0.0239		mg/Kg		119	54 - 122	21	30
Xylenes, Total	0.0400	0.0408		mg/Kg		102	80 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*90*		*50 - 150*
Toluene-d8 (Surr)	*99*		*71 - 126*

Lab Sample ID: MB 460-1030761/7
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 10:38	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 10:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 10:38	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 10:38	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 10:38	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 10:38	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/10/25 10:38	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 10:38	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 10:38	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 10:38	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 10:38	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 10:38	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 10:38	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 10:38	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/10/25 10:38	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 10:38	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/10/25 10:38	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/10/25 10:38	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/10/25 10:38	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/10/25 10:38	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/10/25 10:38	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/10/25 10:38	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/10/25 10:38	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 10:38	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/10/25 10:38	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 10:38	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 10:38	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/10/25 10:38	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 10:38	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/10/25 10:38	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/10/25 10:38	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 10:38	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 10:38	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/10/25 10:38	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/10/25 10:38	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/10/25 10:38	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/10/25 10:38	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 10:38	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 10:38	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/10/25 10:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 10:38	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030761/7
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 10:38	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/10/25 10:38	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 10:38	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 10:38	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/10/25 10:38	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 10:38	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 10:38	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 10:38	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 10:38	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 10:38	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 10:38	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 10:38	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 10:38	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/10/25 10:38	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/10/25 10:38	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/10/25 10:38	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/10/25 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*		*04/10/25 10:38*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*		*04/10/25 10:38*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*04/10/25 10:38*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*04/10/25 10:38*	*1*

Lab Sample ID: LCS 460-1030761/3
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0201		mg/Kg		100	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0200		mg/Kg		100	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0224		mg/Kg		112	75 - 121
1,1,2-Trichloroethane	0.0200	0.0212		mg/Kg		106	80 - 120
1,1-Dichloroethane	0.0200	0.0212		mg/Kg		106	72 - 120
1,1-Dichloroethene	0.0200	0.0214		mg/Kg		107	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		106	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0214		mg/Kg		107	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0201		mg/Kg		101	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0204		mg/Kg		102	80 - 124
1,2-Dichlorobenzene	0.0200	0.0215		mg/Kg		108	80 - 120
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		95	70 - 123
1,2-Dichloropropane	0.0200	0.0214		mg/Kg		107	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0209		mg/Kg		104	70 - 120
1,3-Dichlorobenzene	0.0200	0.0211		mg/Kg		105	80 - 120
1,4-Dichlorobenzene	0.0200	0.0212		mg/Kg		106	80 - 120
2-Butanone (MEK)	0.100	0.0958		mg/Kg		96	64 - 128
2-Hexanone	0.100	0.103		mg/Kg		103	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.107		mg/Kg		107	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030761/3
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.100	0.101		mg/Kg		101	58 - 122
Benzene	0.0200	0.0212		mg/Kg		106	75 - 120
Bromoform	0.0200	0.0207		mg/Kg		103	61 - 125
Bromomethane	0.0200	0.0242		mg/Kg		121	37 - 150
Carbon disulfide	0.0200	0.0204		mg/Kg		102	57 - 133
Carbon tetrachloride	0.0200	0.0201		mg/Kg		101	66 - 127
Chlorobenzene	0.0200	0.0214		mg/Kg		107	80 - 120
Chlorobromomethane	0.0200	0.0208		mg/Kg		104	76 - 127
Chlorodibromomethane	0.0200	0.0206		mg/Kg		103	72 - 120
Chloroethane	0.0200	0.0264	*	mg/Kg		132	60 - 123
Chloroform	0.0200	0.0198		mg/Kg		99	79 - 126
Chloromethane	0.0200	0.0210		mg/Kg		105	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0204		mg/Kg		102	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0213		mg/Kg		107	75 - 120
Cyclohexane	0.0200	0.0217		mg/Kg		109	65 - 132
Dichlorobromomethane	0.0200	0.0195		mg/Kg		97	77 - 124
Dichlorodifluoromethane	0.0200	0.0215		mg/Kg		108	45 - 129
Ethylbenzene	0.0200	0.0217		mg/Kg		108	80 - 120
Ethylene Dibromide	0.0200	0.0199		mg/Kg		100	79 - 120
Isopropylbenzene	0.0200	0.0211		mg/Kg		105	74 - 120
Methyl acetate	0.0400	0.0415		mg/Kg		104	57 - 120
Methyl tert-butyl ether	0.0200	0.0189		mg/Kg		94	74 - 125
Methylcyclohexane	0.0200	0.0216		mg/Kg		108	66 - 125
Methylene Chloride	0.0200	0.0204		mg/Kg		102	78 - 120
m-Xylene & p-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120
n-Butylbenzene	0.0200	0.0224		mg/Kg		112	72 - 120
N-Propylbenzene	0.0200	0.0215		mg/Kg		107	68 - 120
o-Xylene	0.0200	0.0215		mg/Kg		107	80 - 120
sec-Butylbenzene	0.0200	0.0216		mg/Kg		108	78 - 120
Styrene	0.0200	0.0209		mg/Kg		105	80 - 120
tert-Butylbenzene	0.0200	0.0210		mg/Kg		105	80 - 120
Tetrachloroethene	0.0200	0.0228		mg/Kg		114	73 - 120
Toluene	0.0200	0.0206		mg/Kg		103	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0207		mg/Kg		104	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0203		mg/Kg		101	77 - 120
Trichloroethene	0.0200	0.0200		mg/Kg		100	80 - 120
Trichlorofluoromethane	0.0200	0.0222		mg/Kg		111	61 - 130
Vinyl chloride	0.0200	0.0253	*	mg/Kg		126	54 - 122
Xylenes, Total	0.0400	0.0427		mg/Kg		107	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*98*		*50 - 150*
Toluene-d8 (Surr)	*104*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030761/4
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0201		mg/Kg		100	78 - 120	0	30
1,1,2,2-Tetrachloroethane			0.0200	0.0196		mg/Kg		98	70 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0213		mg/Kg		107	75 - 121	5	30
1,1,2-Trichloroethane			0.0200	0.0209		mg/Kg		104	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0208		mg/Kg		104	72 - 120	2	30
1,1-Dichloroethene			0.0200	0.0198		mg/Kg		99	76 - 120	7	30
1,2,3-Trichlorobenzene			0.0200	0.0213		mg/Kg		106	77 - 137	1	30
1,2,4-Trichlorobenzene			0.0200	0.0215		mg/Kg		108	77 - 136	1	30
1,2,4-Trimethylbenzene			0.0200	0.0198		mg/Kg		99	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0200		mg/Kg		100	80 - 124	2	30
1,2-Dichlorobenzene			0.0200	0.0211		mg/Kg		106	80 - 120	2	30
1,2-Dichloroethane			0.0200	0.0190		mg/Kg		95	70 - 123	0	30
1,2-Dichloropropane			0.0200	0.0216		mg/Kg		108	73 - 124	1	30
1,3,5-Trimethylbenzene			0.0200	0.0203		mg/Kg		102	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0209		mg/Kg		105	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0210		mg/Kg		105	80 - 120	1	30
2-Butanone (MEK)			0.100	0.0957		mg/Kg		96	64 - 128	0	30
2-Hexanone			0.100	0.103		mg/Kg		103	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)			0.100	0.108		mg/Kg		108	80 - 120	1	30
Acetone			0.100	0.100		mg/Kg		100	58 - 122	1	30
Benzene			0.0200	0.0213		mg/Kg		106	75 - 120	1	30
Bromoform			0.0200	0.0206		mg/Kg		103	61 - 125	1	30
Bromomethane			0.0200	0.0253		mg/Kg		126	37 - 150	4	30
Carbon disulfide			0.0200	0.0200		mg/Kg		100	57 - 133	2	30
Carbon tetrachloride			0.0200	0.0203		mg/Kg		101	66 - 127	1	30
Chlorobenzene			0.0200	0.0212		mg/Kg		106	80 - 120	1	30
Chlorobromomethane			0.0200	0.0209		mg/Kg		104	76 - 127	0	30
Chlorodibromomethane			0.0200	0.0203		mg/Kg		101	72 - 120	2	30
Chloroethane			0.0200	0.0267	*	mg/Kg		133	60 - 123	1	30
Chloroform			0.0200	0.0198		mg/Kg		99	79 - 126	0	30
Chloromethane			0.0200	0.0225		mg/Kg		113	46 - 122	7	30
cis-1,2-Dichloroethene			0.0200	0.0204		mg/Kg		102	80 - 123	0	30
cis-1,3-Dichloropropene			0.0200	0.0213		mg/Kg		107	75 - 120	0	30
Cyclohexane			0.0200	0.0214		mg/Kg		107	65 - 132	2	30
Dichlorobromomethane			0.0200	0.0197		mg/Kg		98	77 - 124	1	30
Dichlorodifluoromethane			0.0200	0.0226		mg/Kg		113	45 - 129	5	30
Ethylbenzene			0.0200	0.0210		mg/Kg		105	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0201		mg/Kg		101	79 - 120	1	30
Isopropylbenzene			0.0200	0.0208		mg/Kg		104	74 - 120	1	30
Methyl acetate			0.0400	0.0430		mg/Kg		107	57 - 120	3	30
Methyl tert-butyl ether			0.0200	0.0191		mg/Kg		95	74 - 125	1	30
Methylcyclohexane			0.0200	0.0213		mg/Kg		106	66 - 125	1	30
Methylene Chloride			0.0200	0.0202		mg/Kg		101	78 - 120	1	30
m-Xylene & p-Xylene			0.0200	0.0208		mg/Kg		104	80 - 120	2	30
n-Butylbenzene			0.0200	0.0218		mg/Kg		109	72 - 120	3	30
N-Propylbenzene			0.0200	0.0209		mg/Kg		105	68 - 120	3	30
o-Xylene			0.0200	0.0211		mg/Kg		106	80 - 120	2	30
sec-Butylbenzene			0.0200	0.0211		mg/Kg		105	78 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030761/4
Matrix: Solid
Analysis Batch: 1030761

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene			0.0200	0.0206		mg/Kg		103	80 - 120	1	30
tert-Butylbenzene			0.0200	0.0207		mg/Kg		103	80 - 120	2	30
Tetrachloroethene			0.0200	0.0221		mg/Kg		110	73 - 120	3	30
Toluene			0.0200	0.0202		mg/Kg		101	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0204		mg/Kg		102	78 - 120	2	30
trans-1,3-Dichloropropene			0.0200	0.0202		mg/Kg		101	77 - 120	0	30
Trichloroethene			0.0200	0.0198		mg/Kg		99	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0231		mg/Kg		115	61 - 130	4	30
Vinyl chloride			0.0200	0.0265	*	mg/Kg		133	54 - 122	5	30
Xylenes, Total			0.0400	0.0419		mg/Kg		105	80 - 120	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*98*		*50 - 150*
Toluene-d8 (Surr)	*104*		*71 - 126*

Lab Sample ID: MB 460-1030894/6
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 21:48	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 21:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 21:48	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 21:48	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 21:48	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 21:48	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/10/25 21:48	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 21:48	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 21:48	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 21:48	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 21:48	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 21:48	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 21:48	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 21:48	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/10/25 21:48	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 21:48	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/10/25 21:48	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/10/25 21:48	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/10/25 21:48	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/10/25 21:48	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/10/25 21:48	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/10/25 21:48	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/10/25 21:48	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 21:48	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/10/25 21:48	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 21:48	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030894/6
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 21:48	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/10/25 21:48	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 21:48	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/10/25 21:48	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/10/25 21:48	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 21:48	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 21:48	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/10/25 21:48	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/10/25 21:48	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/10/25 21:48	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/10/25 21:48	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 21:48	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 21:48	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/10/25 21:48	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 21:48	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 21:48	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/10/25 21:48	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 21:48	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 21:48	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/10/25 21:48	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 21:48	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 21:48	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 21:48	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 21:48	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 21:48	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 21:48	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 21:48	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 21:48	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/10/25 21:48	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/10/25 21:48	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/10/25 21:48	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/10/25 21:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*		*04/10/25 21:48*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*		*04/10/25 21:48*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*		*04/10/25 21:48*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*04/10/25 21:48*	*1*

Lab Sample ID: LCS 460-1030894/2
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0181		mg/Kg		90	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0181		mg/Kg		90	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	75 - 121
1,1,2-Trichloroethane	0.0200	0.0195		mg/Kg		98	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030894/2
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	0.0200	0.0192		mg/Kg		96	72 - 120
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		91	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0172		mg/Kg		86	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0191		mg/Kg		96	80 - 124
1,2-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0181		mg/Kg		91	70 - 123
1,2-Dichloropropane	0.0200	0.0196		mg/Kg		98	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.0915		mg/Kg		92	64 - 128
2-Hexanone	0.100	0.0928		mg/Kg		93	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0983		mg/Kg		98	80 - 120
Acetone	0.100	0.0917		mg/Kg		92	58 - 122
Benzene	0.0200	0.0189		mg/Kg		94	75 - 120
Bromoform	0.0200	0.0199		mg/Kg		99	61 - 125
Bromomethane	0.0200	0.0234		mg/Kg		117	37 - 150
Carbon disulfide	0.0200	0.0172		mg/Kg		86	57 - 133
Carbon tetrachloride	0.0200	0.0181		mg/Kg		90	66 - 127
Chlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Chlorobromomethane	0.0200	0.0206		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0196		mg/Kg		98	72 - 120
Chloroethane	0.0200	0.0240		mg/Kg		120	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0186		mg/Kg		93	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0193		mg/Kg		96	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0186		mg/Kg		93	75 - 120
Cyclohexane	0.0200	0.0181		mg/Kg		91	65 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		93	77 - 124
Dichlorodifluoromethane	0.0200	0.0223		mg/Kg		112	45 - 129
Ethylbenzene	0.0200	0.0185		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120
Isopropylbenzene	0.0200	0.0177		mg/Kg		89	74 - 120
Methyl acetate	0.0400	0.0418		mg/Kg		105	57 - 120
Methyl tert-butyl ether	0.0200	0.0180		mg/Kg		90	74 - 125
Methylcyclohexane	0.0200	0.0177		mg/Kg		89	66 - 125
Methylene Chloride	0.0200	0.0196		mg/Kg		98	78 - 120
m-Xylene & p-Xylene	0.0200	0.0180		mg/Kg		90	80 - 120
n-Butylbenzene	0.0200	0.0181		mg/Kg		90	72 - 120
N-Propylbenzene	0.0200	0.0176		mg/Kg		88	68 - 120
o-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120
sec-Butylbenzene	0.0200	0.0173		mg/Kg		87	78 - 120
Styrene	0.0200	0.0190		mg/Kg		95	80 - 120
tert-Butylbenzene	0.0200	0.0173		mg/Kg		87	80 - 120
Tetrachloroethene	0.0200	0.0196		mg/Kg		98	73 - 120
Toluene	0.0200	0.0177		mg/Kg		89	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0188		mg/Kg		94	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030894/2
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	0.0200	0.0179		mg/Kg		90	77 - 120
Trichloroethene	0.0200	0.0181		mg/Kg		90	80 - 120
Trichlorofluoromethane	0.0200	0.0213		mg/Kg		106	61 - 130
Vinyl chloride	0.0200	0.0228		mg/Kg		114	54 - 122
Xylenes, Total	0.0400	0.0364		mg/Kg		91	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*104*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: LCSD 460-1030894/3
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0184		mg/Kg		92	78 - 120	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0193		mg/Kg		96	70 - 133	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0195		mg/Kg		98	75 - 121	4	30
1,1,2-Trichloroethane	0.0200	0.0206		mg/Kg		103	80 - 120	5	30
1,1-Dichloroethane	0.0200	0.0195		mg/Kg		98	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0190		mg/Kg		95	76 - 120	5	30
1,2,3-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 136	1	30
1,2,4-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0205		mg/Kg		103	80 - 124	7	30
1,2-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 123	3	30
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	73 - 124	3	30
1,3,5-Trimethylbenzene	0.0200	0.0180		mg/Kg		90	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0925		mg/Kg		93	64 - 128	1	30
2-Hexanone	0.100	0.0943		mg/Kg		94	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0970		mg/Kg		97	80 - 120	1	30
Acetone	0.100	0.0926		mg/Kg		93	58 - 122	1	30
Benzene	0.0200	0.0202		mg/Kg		101	75 - 120	7	30
Bromoform	0.0200	0.0219		mg/Kg		110	61 - 125	10	30
Bromomethane	0.0200	0.0220		mg/Kg		110	37 - 150	6	30
Carbon disulfide	0.0200	0.0174		mg/Kg		87	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127	3	30
Chlorobenzene	0.0200	0.0205		mg/Kg		102	80 - 120	6	30
Chlorobromomethane	0.0200	0.0208		mg/Kg		104	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0208		mg/Kg		104	72 - 120	6	30
Chloroethane	0.0200	0.0235		mg/Kg		118	60 - 123	2	30
Chloroform	0.0200	0.0190		mg/Kg		95	79 - 126	2	30
Chloromethane	0.0200	0.0185		mg/Kg		93	46 - 122	0	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030894/3
Matrix: Solid
Analysis Batch: 1030894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		101	80 - 123	4	30
cis-1,3-Dichloropropene	0.0200	0.0202		mg/Kg		101	75 - 120	8	30
Cyclohexane	0.0200	0.0186		mg/Kg		93	65 - 132	3	30
Dichlorobromomethane	0.0200	0.0186		mg/Kg		93	77 - 124	0	30
Dichlorodifluoromethane	0.0200	0.0213		mg/Kg		106	45 - 129	5	30
Ethylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120	5	30
Ethylene Dibromide	0.0200	0.0205		mg/Kg		102	79 - 120	6	30
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	74 - 120	7	30
Methyl acetate	0.0400	0.0447		mg/Kg		112	57 - 120	7	30
Methyl tert-butyl ether	0.0200	0.0185		mg/Kg		92	74 - 125	3	30
Methylcyclohexane	0.0200	0.0184		mg/Kg		92	66 - 125	4	30
Methylene Chloride	0.0200	0.0195		mg/Kg		97	78 - 120	1	30
m-Xylene & p-Xylene	0.0200	0.0192		mg/Kg		96	80 - 120	6	30
n-Butylbenzene	0.0200	0.0186		mg/Kg		93	72 - 120	3	30
N-Propylbenzene	0.0200	0.0189		mg/Kg		95	68 - 120	7	30
o-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120	3	30
sec-Butylbenzene	0.0200	0.0181		mg/Kg		90	78 - 120	4	30
Styrene	0.0200	0.0199		mg/Kg		100	80 - 120	5	30
tert-Butylbenzene	0.0200	0.0182		mg/Kg		91	80 - 120	5	30
Tetrachloroethene	0.0200	0.0211		mg/Kg		106	73 - 120	7	30
Toluene	0.0200	0.0192		mg/Kg		96	80 - 120	8	30
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		96	78 - 120	2	30
trans-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	77 - 120	7	30
Trichloroethene	0.0200	0.0190		mg/Kg		95	80 - 120	5	30
Trichlorofluoromethane	0.0200	0.0207		mg/Kg		104	61 - 130	3	30
Vinyl chloride	0.0200	0.0221		mg/Kg		110	54 - 122	3	30
Xylenes, Total	0.0400	0.0383		mg/Kg		96	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*99*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 460-1030911/8
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 20:49	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 20:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 20:49	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 20:49	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 20:49	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 20:49	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/10/25 20:49	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 20:49	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 20:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030911/8
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 20:49	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 20:49	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/10/25 20:49	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 20:49	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 20:49	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/10/25 20:49	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 20:49	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/10/25 20:49	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/10/25 20:49	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/10/25 20:49	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/10/25 20:49	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/10/25 20:49	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/10/25 20:49	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/10/25 20:49	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 20:49	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/10/25 20:49	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 20:49	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/10/25 20:49	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/10/25 20:49	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/10/25 20:49	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/10/25 20:49	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/10/25 20:49	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/10/25 20:49	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 20:49	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/10/25 20:49	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/10/25 20:49	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/10/25 20:49	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/10/25 20:49	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 20:49	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 20:49	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/10/25 20:49	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/10/25 20:49	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/10/25 20:49	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/10/25 20:49	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/10/25 20:49	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 20:49	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/10/25 20:49	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/10/25 20:49	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/10/25 20:49	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 20:49	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/10/25 20:49	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/10/25 20:49	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/10/25 20:49	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/10/25 20:49	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/10/25 20:49	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/10/25 20:49	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/10/25 20:49	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/10/25 20:49	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/10/25 20:49	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		65 - 138		04/10/25 20:49	1
4-Bromofluorobenzene	102		71 - 128		04/10/25 20:49	1
Dibromofluoromethane (Surr)	96		50 - 150		04/10/25 20:49	1
Toluene-d8 (Surr)	96		71 - 126		04/10/25 20:49	1

Lab Sample ID: LCS 460-1030911/3
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0182		mg/Kg		91	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	75 - 121
1,1,2-Trichloroethane	0.0200	0.0179		mg/Kg		90	80 - 120
1,1-Dichloroethane	0.0200	0.0189		mg/Kg		94	72 - 120
1,1-Dichloroethene	0.0200	0.0181		mg/Kg		90	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0189		mg/Kg		95	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0193		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		91	80 - 124
1,2-Dichlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 123
1,2-Dichloropropane	0.0200	0.0174		mg/Kg		87	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0192		mg/Kg		96	70 - 120
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0177		mg/Kg		89	80 - 120
2-Butanone (MEK)	0.100	0.0876		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0934		mg/Kg		93	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 120
Acetone	0.100	0.0830		mg/Kg		83	58 - 122
Benzene	0.0200	0.0185		mg/Kg		93	75 - 120
Bromoform	0.0200	0.0175		mg/Kg		88	61 - 125
Bromomethane	0.0200	0.0191		mg/Kg		96	37 - 150
Carbon disulfide	0.0200	0.0196		mg/Kg		98	57 - 133
Carbon tetrachloride	0.0200	0.0178		mg/Kg		89	66 - 127
Chlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
Chlorobromomethane	0.0200	0.0171		mg/Kg		85	76 - 127
Chlorodibromomethane	0.0200	0.0178		mg/Kg		89	72 - 120
Chloroethane	0.0200	0.0181		mg/Kg		90	60 - 123
Chloroform	0.0200	0.0178		mg/Kg		89	79 - 126
Chloromethane	0.0200	0.0208		mg/Kg		104	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	75 - 120
Cyclohexane	0.0200	0.0188		mg/Kg		94	65 - 132
Dichlorobromomethane	0.0200	0.0177		mg/Kg		88	77 - 124
Dichlorodifluoromethane	0.0200	0.0203		mg/Kg		102	45 - 129
Ethylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120
Ethylene Dibromide	0.0200	0.0182		mg/Kg		91	79 - 120
Isopropylbenzene	0.0200	0.0189		mg/Kg		95	74 - 120
Methyl acetate	0.0400	0.0403		mg/Kg		101	57 - 120
Methyl tert-butyl ether	0.0200	0.0179		mg/Kg		89	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030911/3
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylcyclohexane	0.0200	0.0187		mg/Kg		93	66 - 125
Methylene Chloride	0.0200	0.0178		mg/Kg		89	78 - 120
m-Xylene & p-Xylene	0.0200	0.0189		mg/Kg		95	80 - 120
n-Butylbenzene	0.0200	0.0197		mg/Kg		98	72 - 120
N-Propylbenzene	0.0200	0.0194		mg/Kg		97	68 - 120
o-Xylene	0.0200	0.0187		mg/Kg		93	80 - 120
sec-Butylbenzene	0.0200	0.0202		mg/Kg		101	78 - 120
Styrene	0.0200	0.0188		mg/Kg		94	80 - 120
tert-Butylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0182		mg/Kg		91	73 - 120
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	77 - 120
Trichloroethene	0.0200	0.0178		mg/Kg		89	80 - 120
Trichlorofluoromethane	0.0200	0.0189		mg/Kg		94	61 - 130
Vinyl chloride	0.0200	0.0206		mg/Kg		103	54 - 122
Xylenes, Total	0.0400	0.0376		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*92*		*50 - 150*
Toluene-d8 (Surr)	*94*		*71 - 126*

Lab Sample ID: LCSD 460-1030911/4
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0195		mg/Kg		98	78 - 120	7	30
1,1,2,2-Tetrachloroethane	0.0200	0.0194		mg/Kg		97	70 - 133	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0202		mg/Kg		101	75 - 121	7	30
1,1,2-Trichloroethane	0.0200	0.0182		mg/Kg		91	80 - 120	1	30
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		96	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0184		mg/Kg		92	76 - 120	2	30
1,2,3-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	77 - 137	6	30
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	77 - 136	1	30
1,2,4-Trimethylbenzene	0.0200	0.0205		mg/Kg		102	75 - 120	6	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0189		mg/Kg		94	80 - 124	3	30
1,2-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0185		mg/Kg		92	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		97	73 - 124	10	30
1,3,5-Trimethylbenzene	0.0200	0.0202		mg/Kg		101	70 - 120	5	30
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120	8	30
2-Butanone (MEK)	0.100	0.0904		mg/Kg		90	64 - 128	3	30
2-Hexanone	0.100	0.0959		mg/Kg		96	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0955		mg/Kg		95	80 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030911/4
Matrix: Solid
Analysis Batch: 1030911

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			0.100	0.0844		mg/Kg		84	58 - 122	2	30
Benzene			0.0200	0.0200		mg/Kg		100	75 - 120	8	30
Bromoform			0.0200	0.0178		mg/Kg		89	61 - 125	2	30
Bromomethane			0.0200	0.0191		mg/Kg		95	37 - 150	0	30
Carbon disulfide			0.0200	0.0202		mg/Kg		101	57 - 133	3	30
Carbon tetrachloride			0.0200	0.0192		mg/Kg		96	66 - 127	7	30
Chlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	7	30
Chlorobromomethane			0.0200	0.0176		mg/Kg		88	76 - 127	3	30
Chlorodibromomethane			0.0200	0.0184		mg/Kg		92	72 - 120	3	30
Chloroethane			0.0200	0.0211		mg/Kg		106	60 - 123	16	30
Chloroform			0.0200	0.0190		mg/Kg		95	79 - 126	7	30
Chloromethane			0.0200	0.0212		mg/Kg		106	46 - 122	2	30
cis-1,2-Dichloroethene			0.0200	0.0185		mg/Kg		92	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		100	75 - 120	8	30
Cyclohexane			0.0200	0.0198		mg/Kg		99	65 - 132	5	30
Dichlorobromomethane			0.0200	0.0183		mg/Kg		92	77 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0211		mg/Kg		106	45 - 129	4	30
Ethylbenzene			0.0200	0.0191		mg/Kg		95	80 - 120	5	30
Ethylene Dibromide			0.0200	0.0187		mg/Kg		93	79 - 120	3	30
Isopropylbenzene			0.0200	0.0200		mg/Kg		100	74 - 120	6	30
Methyl acetate			0.0400	0.0417		mg/Kg		104	57 - 120	4	30
Methyl tert-butyl ether			0.0200	0.0183		mg/Kg		92	74 - 125	2	30
Methylcyclohexane			0.0200	0.0191		mg/Kg		96	66 - 125	2	30
Methylene Chloride			0.0200	0.0184		mg/Kg		92	78 - 120	4	30
m-Xylene & p-Xylene			0.0200	0.0200		mg/Kg		100	80 - 120	5	30
n-Butylbenzene			0.0200	0.0200		mg/Kg		100	72 - 120	2	30
N-Propylbenzene			0.0200	0.0199		mg/Kg		99	68 - 120	2	30
o-Xylene			0.0200	0.0196		mg/Kg		98	80 - 120	5	30
sec-Butylbenzene			0.0200	0.0206		mg/Kg		103	78 - 120	2	30
Styrene			0.0200	0.0198		mg/Kg		99	80 - 120	5	30
tert-Butylbenzene			0.0200	0.0197		mg/Kg		98	80 - 120	2	30
Tetrachloroethene			0.0200	0.0195		mg/Kg		97	73 - 120	7	30
Toluene			0.0200	0.0193		mg/Kg		97	80 - 120	7	30
trans-1,2-Dichloroethene			0.0200	0.0193		mg/Kg		96	78 - 120	3	30
trans-1,3-Dichloropropene			0.0200	0.0197		mg/Kg		98	77 - 120	7	30
Trichloroethene			0.0200	0.0183		mg/Kg		91	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0193		mg/Kg		97	61 - 130	2	30
Vinyl chloride			0.0200	0.0217		mg/Kg		108	54 - 122	5	30
Xylenes, Total			0.0400	0.0396		mg/Kg		99	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*
4-Bromofluorobenzene	*105*		*71 - 128*
Dibromofluoromethane (Surr)	*95*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030982/7
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/11/25 07:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:21	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/11/25 07:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/11/25 07:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/11/25 07:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/11/25 07:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/11/25 07:21	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/11/25 07:21	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/11/25 07:21	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/11/25 07:21	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/11/25 07:21	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/11/25 07:21	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/11/25 07:21	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/11/25 07:21	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/11/25 07:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/11/25 07:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/11/25 07:21	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/11/25 07:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/11/25 07:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/11/25 07:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:21	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/11/25 07:21	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:21	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030982/7
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:21	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/11/25 07:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/11/25 07:21	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/11/25 07:21	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/11/25 07:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*65 - 138*		*04/11/25 07:21*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*		*04/11/25 07:21*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*		*04/11/25 07:21*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*04/11/25 07:21*	*1*

Lab Sample ID: LCS 460-1030982/3
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0217		mg/Kg		108	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0199		mg/Kg		99	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0204		mg/Kg		102	75 - 121
1,1,2-Trichloroethane	0.0200	0.0217		mg/Kg		109	80 - 120
1,1-Dichloroethane	0.0200	0.0231		mg/Kg		115	72 - 120
1,1-Dichloroethene	0.0200	0.0186		mg/Kg		93	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		101	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	80 - 124
1,2-Dichlorobenzene	0.0200	0.0211		mg/Kg		106	80 - 120
1,2-Dichloroethane	0.0200	0.0222		mg/Kg		111	70 - 123
1,2-Dichloropropane	0.0200	0.0231		mg/Kg		115	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0195		mg/Kg		98	70 - 120
1,3-Dichlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120
1,4-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.0874		mg/Kg		87	64 - 128
2-Hexanone	0.100	0.0982		mg/Kg		98	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.104		mg/Kg		104	80 - 120
Acetone	0.100	0.103		mg/Kg		103	58 - 122
Benzene	0.0200	0.0216		mg/Kg		108	75 - 120
Bromoform	0.0200	0.0204		mg/Kg		102	61 - 125
Bromomethane	0.0200	0.0213		mg/Kg		106	37 - 150
Carbon disulfide	0.0200	0.0199		mg/Kg		100	57 - 133
Carbon tetrachloride	0.0200	0.0223		mg/Kg		112	66 - 127
Chlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030982/3
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0217		mg/Kg		108	76 - 127
Chlorodibromomethane	0.0200	0.0213		mg/Kg		107	72 - 120
Chloroethane	0.0200	0.0240		mg/Kg		120	60 - 123
Chloroform	0.0200	0.0215		mg/Kg		107	79 - 126
Chloromethane	0.0200	0.0207		mg/Kg		104	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0210		mg/Kg		105	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0217		mg/Kg		108	77 - 124
Dichlorodifluoromethane	0.0200	0.0210		mg/Kg		105	45 - 129
Ethylbenzene	0.0200	0.0203		mg/Kg		102	80 - 120
Ethylene Dibromide	0.0200	0.0202		mg/Kg		101	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		98	74 - 120
Methyl acetate	0.0400	0.0503	*	mg/Kg		126	57 - 120
Methyl tert-butyl ether	0.0200	0.0198		mg/Kg		99	74 - 125
Methylcyclohexane	0.0200	0.0201		mg/Kg		101	66 - 125
Methylene Chloride	0.0200	0.0212		mg/Kg		106	78 - 120
m-Xylene & p-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
n-Butylbenzene	0.0200	0.0216		mg/Kg		108	72 - 120
N-Propylbenzene	0.0200	0.0190		mg/Kg		95	68 - 120
o-Xylene	0.0200	0.0193		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0192		mg/Kg		96	78 - 120
Styrene	0.0200	0.0205		mg/Kg		103	80 - 120
tert-Butylbenzene	0.0200	0.0185		mg/Kg		92	80 - 120
Tetrachloroethene	0.0200	0.0219		mg/Kg		110	73 - 120
Toluene	0.0200	0.0199		mg/Kg		100	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	77 - 120
Trichloroethene	0.0200	0.0196		mg/Kg		98	80 - 120
Trichlorofluoromethane	0.0200	0.0217		mg/Kg		108	61 - 130
Vinyl chloride	0.0200	0.0234		mg/Kg		117	54 - 122
Xylenes, Total	0.0400	0.0387		mg/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*
4-Bromofluorobenzene	*95*		*71 - 128*
Dibromofluoromethane (Surr)	*106*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 120	9	30
1,1,2,2-Tetrachloroethane	0.0200	0.0194		mg/Kg		97	70 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0194		mg/Kg		97	75 - 121	5	30
1,1,2-Trichloroethane	0.0200	0.0205		mg/Kg		102	80 - 120	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0217		mg/Kg		108	72 - 120	6	30
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		93	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0189		mg/Kg		94	77 - 137	7	30
1,2,4-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 136	6	30
1,2,4-Trimethylbenzene	0.0200	0.0177		mg/Kg		89	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		91	80 - 124	3	30
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0211		mg/Kg		106	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0215		mg/Kg		108	73 - 124	7	30
1,3,5-Trimethylbenzene	0.0200	0.0183		mg/Kg		92	70 - 120	6	30
1,3-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	7	30
2-Butanone (MEK)	0.100	0.0803		mg/Kg		80	64 - 128	8	30
2-Hexanone	0.100	0.0901		mg/Kg		90	75 - 120	9	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0961		mg/Kg		96	80 - 120	8	30
Acetone	0.100	0.0946		mg/Kg		95	58 - 122	9	30
Benzene	0.0200	0.0206		mg/Kg		103	75 - 120	5	30
Bromoform	0.0200	0.0195		mg/Kg		97	61 - 125	5	30
Bromomethane	0.0200	0.0198		mg/Kg		99	37 - 150	7	30
Carbon disulfide	0.0200	0.0185		mg/Kg		92	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127	13	30
Chlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	7	30
Chlorobromomethane	0.0200	0.0199		mg/Kg		100	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0198		mg/Kg		99	72 - 120	7	30
Chloroethane	0.0200	0.0221		mg/Kg		110	60 - 123	9	30
Chloroform	0.0200	0.0201		mg/Kg		101	79 - 126	7	30
Chloromethane	0.0200	0.0199		mg/Kg		99	46 - 122	4	30
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123	7	30
cis-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	75 - 120	3	30
Cyclohexane	0.0200	0.0190		mg/Kg		95	65 - 132	8	30
Dichlorobromomethane	0.0200	0.0201		mg/Kg		100	77 - 124	8	30
Dichlorodifluoromethane	0.0200	0.0188		mg/Kg		94	45 - 129	11	30
Ethylbenzene	0.0200	0.0187		mg/Kg		93	80 - 120	8	30
Ethylene Dibromide	0.0200	0.0190		mg/Kg		95	79 - 120	6	30
Isopropylbenzene	0.0200	0.0181		mg/Kg		91	74 - 120	8	30
Methyl acetate	0.0400	0.0495	*	mg/Kg		124	57 - 120	2	30
Methyl tert-butyl ether	0.0200	0.0186		mg/Kg		93	74 - 125	6	30
Methylcyclohexane	0.0200	0.0189		mg/Kg		95	66 - 125	6	30
Methylene Chloride	0.0200	0.0196		mg/Kg		98	78 - 120	8	30
m-Xylene & p-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
n-Butylbenzene	0.0200	0.0197		mg/Kg		98	72 - 120	9	30
N-Propylbenzene	0.0200	0.0184		mg/Kg		92	68 - 120	3	30
o-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0186		mg/Kg		93	78 - 120	3	30
Styrene	0.0200	0.0189		mg/Kg		94	80 - 120	8	30
tert-Butylbenzene	0.0200	0.0181		mg/Kg		90	80 - 120	2	30
Tetrachloroethene	0.0200	0.0204		mg/Kg		102	73 - 120	7	30
Toluene	0.0200	0.0188		mg/Kg		94	80 - 120	6	30
trans-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	78 - 120	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		99	77 - 120	3	30
Trichloroethene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
Trichlorofluoromethane			0.0200	0.0199		mg/Kg		100	61 - 130	8	30
Vinyl chloride			0.0200	0.0214		mg/Kg		107	54 - 122	9	30
Xylenes, Total			0.0400	0.0368		mg/Kg		92	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*103*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: MB 460-1030983/8
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:26	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:26	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:26	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:26	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:26	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/11/25 07:26	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:26	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:26	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:26	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:26	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:26	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:26	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:26	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/11/25 07:26	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:26	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/11/25 07:26	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/11/25 07:26	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/11/25 07:26	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/11/25 07:26	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/11/25 07:26	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/11/25 07:26	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/11/25 07:26	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:26	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/11/25 07:26	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:26	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:26	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/11/25 07:26	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:26	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/11/25 07:26	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/11/25 07:26	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030983/8
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:26	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:26	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/11/25 07:26	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/11/25 07:26	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/11/25 07:26	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/11/25 07:26	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:26	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:26	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/11/25 07:26	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:26	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:26	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/11/25 07:26	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:26	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:26	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/11/25 07:26	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:26	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:26	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:26	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:26	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:26	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:26	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:26	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:26	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/11/25 07:26	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/11/25 07:26	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/11/25 07:26	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/11/25 07:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*		*04/11/25 07:26*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*		*04/11/25 07:26*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*		*04/11/25 07:26*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*04/11/25 07:26*	*1*

Lab Sample ID: LCS 460-1030983/3
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0181		mg/Kg		91	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0173		mg/Kg		86	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0188		mg/Kg		94	75 - 121
1,1,2-Trichloroethane	0.0200	0.0166		mg/Kg		83	80 - 120
1,1-Dichloroethane	0.0200	0.0173		mg/Kg		86	72 - 120
1,1-Dichloroethene	0.0200	0.0171		mg/Kg		86	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030983/3
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0185		mg/Kg		92	80 - 124
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	70 - 123
1,2-Dichloropropane	0.0200	0.0168		mg/Kg		84	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	70 - 120
1,3-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
2-Butanone (MEK)	0.100	0.0819		mg/Kg		82	64 - 128
2-Hexanone	0.100	0.0899		mg/Kg		90	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0921		mg/Kg		92	80 - 120
Acetone	0.100	0.0812		mg/Kg		81	58 - 122
Benzene	0.0200	0.0175		mg/Kg		88	75 - 120
Bromoform	0.0200	0.0179		mg/Kg		90	61 - 125
Bromomethane	0.0200	0.0199		mg/Kg		99	37 - 150
Carbon disulfide	0.0200	0.0191		mg/Kg		95	57 - 133
Carbon tetrachloride	0.0200	0.0181		mg/Kg		90	66 - 127
Chlorobenzene	0.0200	0.0178		mg/Kg		89	80 - 120
Chlorobromomethane	0.0200	0.0172		mg/Kg		86	76 - 127
Chlorodibromomethane	0.0200	0.0174		mg/Kg		87	72 - 120
Chloroethane	0.0200	0.0183		mg/Kg		91	60 - 123
Chloroform	0.0200	0.0173		mg/Kg		86	79 - 126
Chloromethane	0.0200	0.0204		mg/Kg		102	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0171		mg/Kg		85	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		89	75 - 120
Cyclohexane	0.0200	0.0186		mg/Kg		93	65 - 132
Dichlorobromomethane	0.0200	0.0171		mg/Kg		86	77 - 124
Dichlorodifluoromethane	0.0200	0.0201		mg/Kg		100	45 - 129
Ethylbenzene	0.0200	0.0177		mg/Kg		89	80 - 120
Ethylene Dibromide	0.0200	0.0178		mg/Kg		89	79 - 120
Isopropylbenzene	0.0200	0.0183		mg/Kg		91	74 - 120
Methyl acetate	0.0400	0.0363		mg/Kg		91	57 - 120
Methyl tert-butyl ether	0.0200	0.0167		mg/Kg		84	74 - 125
Methylcyclohexane	0.0200	0.0181		mg/Kg		90	66 - 125
Methylene Chloride	0.0200	0.0171		mg/Kg		86	78 - 120
m-Xylene & p-Xylene	0.0200	0.0177		mg/Kg		88	80 - 120
n-Butylbenzene	0.0200	0.0188		mg/Kg		94	72 - 120
N-Propylbenzene	0.0200	0.0187		mg/Kg		93	68 - 120
o-Xylene	0.0200	0.0171		mg/Kg		86	80 - 120
sec-Butylbenzene	0.0200	0.0195		mg/Kg		98	78 - 120
Styrene	0.0200	0.0182		mg/Kg		91	80 - 120
tert-Butylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0183		mg/Kg		92	73 - 120
Toluene	0.0200	0.0174		mg/Kg		87	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0173		mg/Kg		87	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0173		mg/Kg		87	77 - 120
Trichloroethene	0.0200	0.0177		mg/Kg		88	80 - 120
Trichlorofluoromethane	0.0200	0.0199		mg/Kg		100	61 - 130
Vinyl chloride	0.0200	0.0205		mg/Kg		103	54 - 122
Xylenes, Total	0.0400	0.0348		mg/Kg		87	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		65 - 138
4-Bromofluorobenzene	102		71 - 128
Dibromofluoromethane (Surr)	93		50 - 150
Toluene-d8 (Surr)	93		71 - 126

Lab Sample ID: LCSD 460-1030983/4
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0190		mg/Kg		95	78 - 120	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0178		mg/Kg		89	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0186		mg/Kg		93	75 - 121	1	30
1,1,2-Trichloroethane			0.0200	0.0177		mg/Kg		88	80 - 120	6	30
1,1-Dichloroethane			0.0200	0.0183		mg/Kg		92	72 - 120	6	30
1,1-Dichloroethene			0.0200	0.0184		mg/Kg		92	76 - 120	7	30
1,2,3-Trichlorobenzene			0.0200	0.0200		mg/Kg		100	77 - 137	4	30
1,2,4-Trichlorobenzene			0.0200	0.0204		mg/Kg		102	77 - 136	6	30
1,2,4-Trimethylbenzene			0.0200	0.0193		mg/Kg		97	75 - 120	3	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0180		mg/Kg		90	80 - 124	3	30
1,2-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	5	30
1,2-Dichloroethane			0.0200	0.0184		mg/Kg		92	70 - 123	4	30
1,2-Dichloropropane			0.0200	0.0180		mg/Kg		90	73 - 124	7	30
1,3,5-Trimethylbenzene			0.0200	0.0189		mg/Kg		95	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0191		mg/Kg		95	80 - 120	3	30
1,4-Dichlorobenzene			0.0200	0.0189		mg/Kg		94	80 - 120	4	30
2-Butanone (MEK)			0.100	0.0887		mg/Kg		89	64 - 128	8	30
2-Hexanone			0.100	0.0974		mg/Kg		97	75 - 120	8	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0982		mg/Kg		98	80 - 120	6	30
Acetone			0.100	0.0888		mg/Kg		89	58 - 122	9	30
Benzene			0.0200	0.0183		mg/Kg		91	75 - 120	4	30
Bromoform			0.0200	0.0185		mg/Kg		92	61 - 125	3	30
Bromomethane			0.0200	0.0202		mg/Kg		101	37 - 150	1	30
Carbon disulfide			0.0200	0.0199		mg/Kg		99	57 - 133	4	30
Carbon tetrachloride			0.0200	0.0187		mg/Kg		94	66 - 127	4	30
Chlorobenzene			0.0200	0.0184		mg/Kg		92	80 - 120	3	30
Chlorobromomethane			0.0200	0.0177		mg/Kg		88	76 - 127	2	30
Chlorodibromomethane			0.0200	0.0183		mg/Kg		92	72 - 120	5	30
Chloroethane			0.0200	0.0186		mg/Kg		93	60 - 123	2	30
Chloroform			0.0200	0.0181		mg/Kg		91	79 - 126	5	30
Chloromethane			0.0200	0.0211		mg/Kg		106	46 - 122	3	30
cis-1,2-Dichloroethene			0.0200	0.0177		mg/Kg		88	80 - 123	4	30
cis-1,3-Dichloropropene			0.0200	0.0185		mg/Kg		93	75 - 120	4	30
Cyclohexane			0.0200	0.0190		mg/Kg		95	65 - 132	2	30
Dichlorobromomethane			0.0200	0.0178		mg/Kg		89	77 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0206		mg/Kg		103	45 - 129	3	30
Ethylbenzene			0.0200	0.0182		mg/Kg		91	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0183		mg/Kg		91	79 - 120	3	30
Isopropylbenzene			0.0200	0.0191		mg/Kg		95	74 - 120	4	30
Methyl acetate			0.0400	0.0369		mg/Kg		92	57 - 120	1	30
Methyl tert-butyl ether			0.0200	0.0177		mg/Kg		89	74 - 125	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030983/4
Matrix: Solid
Analysis Batch: 1030983

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0190		mg/Kg		95	66 - 125	5	30
Methylene Chloride			0.0200	0.0178		mg/Kg		89	78 - 120	4	30
m-Xylene & p-Xylene			0.0200	0.0187		mg/Kg		93	80 - 120	6	30
n-Butylbenzene			0.0200	0.0200		mg/Kg		100	72 - 120	6	30
N-Propylbenzene			0.0200	0.0195		mg/Kg		98	68 - 120	5	30
o-Xylene			0.0200	0.0183		mg/Kg		91	80 - 120	6	30
sec-Butylbenzene			0.0200	0.0201		mg/Kg		101	78 - 120	3	30
Styrene			0.0200	0.0184		mg/Kg		92	80 - 120	1	30
tert-Butylbenzene			0.0200	0.0190		mg/Kg		95	80 - 120	1	30
Tetrachloroethene			0.0200	0.0196		mg/Kg		98	73 - 120	6	30
Toluene			0.0200	0.0180		mg/Kg		90	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0181		mg/Kg		90	78 - 120	4	30
trans-1,3-Dichloropropene			0.0200	0.0183		mg/Kg		91	77 - 120	5	30
Trichloroethene			0.0200	0.0179		mg/Kg		90	80 - 120	1	30
Trichlorofluoromethane			0.0200	0.0203		mg/Kg		102	61 - 130	2	30
Vinyl chloride			0.0200	0.0209		mg/Kg		105	54 - 122	2	30
Xylenes, Total			0.0400	0.0370		mg/Kg		92	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*95*		*50 - 150*
Toluene-d8 (Surr)	*93*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323430-14 DU
Matrix: Solid
Analysis Batch: 1029690

Client Sample ID: 10B3_11-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.1			13.7	*	%				51	20
Percent Solids	91.9			86.3		%				6	20

Lab Sample ID: 460-323430-53 DU
Matrix: Solid
Analysis Batch: 1029690

Client Sample ID: 9C2_6-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.3			9.2		%				1	20
Percent Solids	90.7			90.8		%				0.1	20

Lab Sample ID: 460-323430-57 DU
Matrix: Solid
Analysis Batch: 1029690

Client Sample ID: 9D1_0-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.4			14.6		%				9	20
Percent Solids	86.6			85.4		%				1	20

GC/MS VOA

Prep Batch: 1029772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-1	10A1_1-2	Total/NA	Solid	5035	
460-323430-2	10A1_3-4	Total/NA	Solid	5035	
460-323430-3	10A1_6-7	Total/NA	Solid	5035	
460-323430-4	10A2_2-3	Total/NA	Solid	5035	
460-323430-5	10A2_5-6	Total/NA	Solid	5035	
460-323430-6	10A3_4-5	Total/NA	Solid	5035	
460-323430-7	10A3_7-8	Total/NA	Solid	5035	
460-323430-8	10B1_2-3	Total/NA	Solid	5035	
460-323430-9	10B1_5-6	Total/NA	Solid	5035	
460-323430-10	10B1_10-11	Total/NA	Solid	5035	
460-323430-11	10B2_3-4	Total/NA	Solid	5035	
460-323430-12	10B2_7-8	Total/NA	Solid	5035	
460-323430-13	10B3_4-5	Total/NA	Solid	5035	
460-323430-14	10B3_11-12	Total/NA	Solid	5035	
460-323430-15	10C1_0-1	Total/NA	Solid	5035	
460-323430-16	10C1_1-2	Total/NA	Solid	5035	
460-323430-17	10C2_2-3	Total/NA	Solid	5035	
460-323430-18	10C2_5-6	Total/NA	Solid	5035	
460-323430-19	10C2_7-8	Total/NA	Solid	5035	
460-323430-20	10C3_2-3	Total/NA	Solid	5035	
460-323430-21	10C3_6-7	Total/NA	Solid	5035	
460-323430-22	10D1_3-4	Total/NA	Solid	5035	
460-323430-23	10D1_7-8	Total/NA	Solid	5035	

Prep Batch: 1029774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-24	10D2_4-5	Total/NA	Solid	5035	
460-323430-25	10D2_9-10	Total/NA	Solid	5035	
460-323430-26	10D3_0-1	Total/NA	Solid	5035	
460-323430-27	10D3_5-6	Total/NA	Solid	5035	
460-323430-28	10D3_11-12	Total/NA	Solid	5035	
460-323430-29	10E1_4-5	Total/NA	Solid	5035	
460-323430-30	10E1_9-10	Total/NA	Solid	5035	
460-323430-31	10E1_11-12	Total/NA	Solid	5035	
460-323430-32	10E2_2-3	Total/NA	Solid	5035	
460-323430-33	10E2_7-8	Total/NA	Solid	5035	
460-323430-34	10E3_6-7	Total/NA	Solid	5035	
460-323430-35	10E3_9-10	Total/NA	Solid	5035	
460-323430-36	9A1_0-1	Total/NA	Solid	5035	
460-323430-37	9A1_3-4	Total/NA	Solid	5035	
460-323430-38	9A2_4-5	Total/NA	Solid	5035	
460-323430-39	9A2_8-9	Total/NA	Solid	5035	
460-323430-40	9A3_4-5	Total/NA	Solid	5035	
460-323430-41	9A3_7-8	Total/NA	Solid	5035	
460-323430-42	9A3_9-10	Total/NA	Solid	5035	
460-323430-43	9B1_2-3	Total/NA	Solid	5035	
460-323430-44	9B1_6-7	Total/NA	Solid	5035	
460-323430-45	9B2_2-3	Total/NA	Solid	5035	
460-323430-46	9B2_8-9	Total/NA	Solid	5035	
460-323430-47	9B3_3-4	Total/NA	Solid	5035	
460-323430-48	9B3_9-10	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 1029774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-49	9B3_7-8	Total/NA	Solid	5035	
460-323430-50	9C1_1-2	Total/NA	Solid	5035	
460-323430-51	9C1_5-6	Total/NA	Solid	5035	
460-323430-52	9C2_3-4	Total/NA	Solid	5035	
460-323430-53	9C2_6-7	Total/NA	Solid	5035	
460-323430-54	9C2_9-10	Total/NA	Solid	5035	
460-323430-55	9C3_4-5	Total/NA	Solid	5035	
460-323430-56	9C3_8-9	Total/NA	Solid	5035	
460-323430-57	9D1_0-1	Total/NA	Solid	5035	
460-323430-58	9D1_7-8	Total/NA	Solid	5035	
460-323430-59	9D2_3-4	Total/NA	Solid	5035	
460-323430-60	9D2_9-10	Total/NA	Solid	5035	
460-323430-61	9D3_2-3	Total/NA	Solid	5035	
460-323430-62	9D3_5-6	Total/NA	Solid	5035	
460-323430-63	9D3_7-8	Total/NA	Solid	5035	

Analysis Batch: 1030517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-4	10A2_2-3	Total/NA	Solid	8260D	1029772
460-323430-5	10A2_5-6	Total/NA	Solid	8260D	1029772
460-323430-6	10A3_4-5	Total/NA	Solid	8260D	1029772
460-323430-7	10A3_7-8	Total/NA	Solid	8260D	1029772
460-323430-8	10B1_2-3	Total/NA	Solid	8260D	1029772
460-323430-9	10B1_5-6	Total/NA	Solid	8260D	1029772
460-323430-10	10B1_10-11	Total/NA	Solid	8260D	1029772
460-323430-13	10B3_4-5	Total/NA	Solid	8260D	1029772
460-323430-14	10B3_11-12	Total/NA	Solid	8260D	1029772
MB 460-1030517/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030517/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030517/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-1	10A1_1-2	Total/NA	Solid	8260D	1029772
460-323430-2	10A1_3-4	Total/NA	Solid	8260D	1029772
460-323430-3	10A1_6-7	Total/NA	Solid	8260D	1029772
460-323430-17	10C2_2-3	Total/NA	Solid	8260D	1029772
460-323430-18	10C2_5-6	Total/NA	Solid	8260D	1029772
460-323430-19	10C2_7-8	Total/NA	Solid	8260D	1029772
460-323430-20	10C3_2-3	Total/NA	Solid	8260D	1029772
460-323430-21	10C3_6-7	Total/NA	Solid	8260D	1029772
460-323430-22	10D1_3-4	Total/NA	Solid	8260D	1029772
MB 460-1030559/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030559/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030559/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-23	10D1_7-8	Total/NA	Solid	8260D	1029772
MB 460-1030727/6	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030727/2	Lab Control Sample	Total/NA	Solid	8260D	

GC/MS VOA (Continued)

Analysis Batch: 1030727 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-1030727/3	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-11	10B2_3-4	Total/NA	Solid	8260D	1029772
460-323430-12	10B2_7-8	Total/NA	Solid	8260D	1029772
MB 460-1030749/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030749/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030749/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-28	10D3_11-12	Total/NA	Solid	8260D	1029774
460-323430-29	10E1_4-5	Total/NA	Solid	8260D	1029774
460-323430-30	10E1_9-10	Total/NA	Solid	8260D	1029774
460-323430-32	10E2_2-3	Total/NA	Solid	8260D	1029774
MB 460-1030761/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030761/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030761/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-16	10C1_1-2	Total/NA	Solid	8260D	1029772
460-323430-24	10D2_4-5	Total/NA	Solid	8260D	1029774
460-323430-25	10D2_9-10	Total/NA	Solid	8260D	1029774
460-323430-26	10D3_0-1	Total/NA	Solid	8260D	1029774
460-323430-27	10D3_5-6	Total/NA	Solid	8260D	1029774
460-323430-31	10E1_11-12	Total/NA	Solid	8260D	1029774
460-323430-55	9C3_4-5	Total/NA	Solid	8260D	1029774
460-323430-57	9D1_0-1	Total/NA	Solid	8260D	1029774
460-323430-59	9D2_3-4	Total/NA	Solid	8260D	1029774
460-323430-60	9D2_9-10	Total/NA	Solid	8260D	1029774
MB 460-1030894/6	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030894/2	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030894/3	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-33	10E2_7-8	Total/NA	Solid	8260D	1029774
460-323430-34	10E3_6-7	Total/NA	Solid	8260D	1029774
460-323430-35	10E3_9-10	Total/NA	Solid	8260D	1029774
460-323430-36	9A1_0-1	Total/NA	Solid	8260D	1029774
460-323430-37	9A1_3-4	Total/NA	Solid	8260D	1029774
460-323430-38	9A2_4-5	Total/NA	Solid	8260D	1029774
460-323430-39	9A2_8-9	Total/NA	Solid	8260D	1029774
460-323430-40	9A3_4-5	Total/NA	Solid	8260D	1029774
460-323430-41	9A3_7-8	Total/NA	Solid	8260D	1029774
460-323430-42	9A3_9-10	Total/NA	Solid	8260D	1029774
460-323430-43	9B1_2-3	Total/NA	Solid	8260D	1029774
460-323430-44	9B1_6-7	Total/NA	Solid	8260D	1029774
460-323430-45	9B2_2-3	Total/NA	Solid	8260D	1029774

GC/MS VOA (Continued)

Analysis Batch: 1030911 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-46	9B2_8-9	Total/NA	Solid	8260D	1029774
460-323430-47	9B3_3-4	Total/NA	Solid	8260D	1029774
460-323430-50	9C1_1-2	Total/NA	Solid	8260D	1029774
MB 460-1030911/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030911/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030911/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-15	10C1_0-1	Total/NA	Solid	8260D	1029772
460-323430-53	9C2_6-7	Total/NA	Solid	8260D	1029774
460-323430-54	9C2_9-10	Total/NA	Solid	8260D	1029774
460-323430-56	9C3_8-9	Total/NA	Solid	8260D	1029774
460-323430-58	9D1_7-8	Total/NA	Solid	8260D	1029774
460-323430-61	9D3_2-3	Total/NA	Solid	8260D	1029774
MB 460-1030982/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030982/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030982/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1030983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-48	9B3_9-10	Total/NA	Solid	8260D	1029774
460-323430-49	9B3_7-8	Total/NA	Solid	8260D	1029774
460-323430-51	9C1_5-6	Total/NA	Solid	8260D	1029774
460-323430-52	9C2_3-4	Total/NA	Solid	8260D	1029774
460-323430-62	9D3_5-6	Total/NA	Solid	8260D	1029774
460-323430-63	9D3_7-8	Total/NA	Solid	8260D	1029774
MB 460-1030983/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030983/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030983/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1029690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-1	10A1_1-2	Total/NA	Solid	Moisture	
460-323430-2	10A1_3-4	Total/NA	Solid	Moisture	
460-323430-3	10A1_6-7	Total/NA	Solid	Moisture	
460-323430-4	10A2_2-3	Total/NA	Solid	Moisture	
460-323430-5	10A2_5-6	Total/NA	Solid	Moisture	
460-323430-6	10A3_4-5	Total/NA	Solid	Moisture	
460-323430-7	10A3_7-8	Total/NA	Solid	Moisture	
460-323430-8	10B1_2-3	Total/NA	Solid	Moisture	
460-323430-9	10B1_5-6	Total/NA	Solid	Moisture	
460-323430-10	10B1_10-11	Total/NA	Solid	Moisture	
460-323430-11	10B2_3-4	Total/NA	Solid	Moisture	
460-323430-12	10B2_7-8	Total/NA	Solid	Moisture	
460-323430-13	10B3_4-5	Total/NA	Solid	Moisture	
460-323430-14	10B3_11-12	Total/NA	Solid	Moisture	
460-323430-15	10C1_0-1	Total/NA	Solid	Moisture	
460-323430-16	10C1_1-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1029690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-17	10C2_2-3	Total/NA	Solid	Moisture	
460-323430-18	10C2_5-6	Total/NA	Solid	Moisture	
460-323430-19	10C2_7-8	Total/NA	Solid	Moisture	
460-323430-20	10C3_2-3	Total/NA	Solid	Moisture	
460-323430-21	10C3_6-7	Total/NA	Solid	Moisture	
460-323430-22	10D1_3-4	Total/NA	Solid	Moisture	
460-323430-23	10D1_7-8	Total/NA	Solid	Moisture	
460-323430-24	10D2_4-5	Total/NA	Solid	Moisture	
460-323430-25	10D2_9-10	Total/NA	Solid	Moisture	
460-323430-26	10D3_0-1	Total/NA	Solid	Moisture	
460-323430-27	10D3_5-6	Total/NA	Solid	Moisture	
460-323430-28	10D3_11-12	Total/NA	Solid	Moisture	
460-323430-29	10E1_4-5	Total/NA	Solid	Moisture	
460-323430-30	10E1_9-10	Total/NA	Solid	Moisture	
460-323430-31	10E1_11-12	Total/NA	Solid	Moisture	
460-323430-32	10E2_2-3	Total/NA	Solid	Moisture	
460-323430-33	10E2_7-8	Total/NA	Solid	Moisture	
460-323430-34	10E3_6-7	Total/NA	Solid	Moisture	
460-323430-35	10E3_9-10	Total/NA	Solid	Moisture	
460-323430-36	9A1_0-1	Total/NA	Solid	Moisture	
460-323430-37	9A1_3-4	Total/NA	Solid	Moisture	
460-323430-38	9A2_4-5	Total/NA	Solid	Moisture	
460-323430-39	9A2_8-9	Total/NA	Solid	Moisture	
460-323430-40	9A3_4-5	Total/NA	Solid	Moisture	
460-323430-41	9A3_7-8	Total/NA	Solid	Moisture	
460-323430-42	9A3_9-10	Total/NA	Solid	Moisture	
460-323430-43	9B1_2-3	Total/NA	Solid	Moisture	
460-323430-44	9B1_6-7	Total/NA	Solid	Moisture	
460-323430-45	9B2_2-3	Total/NA	Solid	Moisture	
460-323430-46	9B2_8-9	Total/NA	Solid	Moisture	
460-323430-47	9B3_3-4	Total/NA	Solid	Moisture	
460-323430-48	9B3_9-10	Total/NA	Solid	Moisture	
460-323430-49	9B3_7-8	Total/NA	Solid	Moisture	
460-323430-50	9C1_1-2	Total/NA	Solid	Moisture	
460-323430-51	9C1_5-6	Total/NA	Solid	Moisture	
460-323430-52	9C2_3-4	Total/NA	Solid	Moisture	
460-323430-53	9C2_6-7	Total/NA	Solid	Moisture	
460-323430-54	9C2_9-10	Total/NA	Solid	Moisture	
460-323430-55	9C3_4-5	Total/NA	Solid	Moisture	
460-323430-56	9C3_8-9	Total/NA	Solid	Moisture	
460-323430-57	9D1_0-1	Total/NA	Solid	Moisture	
460-323430-58	9D1_7-8	Total/NA	Solid	Moisture	
460-323430-59	9D2_3-4	Total/NA	Solid	Moisture	
460-323430-60	9D2_9-10	Total/NA	Solid	Moisture	
460-323430-61	9D3_2-3	Total/NA	Solid	Moisture	
460-323430-62	9D3_5-6	Total/NA	Solid	Moisture	
460-323430-63	9D3_7-8	Total/NA	Solid	Moisture	
460-323400-A-45 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323400-A-45 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323430-14 DU	10B3_11-12	Total/NA	Solid	Moisture	
460-323430-53 DU	9C2_6-7	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1029690 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323430-57 DU	9D1_0-1	Total/NA	Solid	Moisture	

Client Sample ID: 10A1_1-2
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A1_1-2
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-1
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:01
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 19:45

Client Sample ID: 10A1_3-4
Date Collected: 04/02/25 08:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A1_3-4
Date Collected: 04/02/25 08:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-2
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:01
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 20:10

Client Sample ID: 10A1_6-7
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A1_6-7
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-3
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:02
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 20:34

Client Sample ID: 10A2_2-3
Date Collected: 04/02/25 08:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A2_2-3
Date Collected: 04/02/25 08:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-4
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:02
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 13:19

Client Sample ID: 10A2_5-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A2_5-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-5
Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:03
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 13:43

Client Sample ID: 10A3_4-5
Date Collected: 04/02/25 08:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10A3_4-5
Date Collected: 04/02/25 08:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-6
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:03
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 14:06

Client Sample ID: 10A3_7-8
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10A3_7-8
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-7
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:04
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 14:30

Client Sample ID: 10B1_2-3
Date Collected: 04/02/25 09:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B1_2-3
Date Collected: 04/02/25 09:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-8
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:04
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 14:54

Client Sample ID: 10B1_5-6
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B1_5-6
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-9
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:05
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 15:17

Client Sample ID: 10B1_10-11
Date Collected: 04/02/25 09:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10B1_10-11

Lab Sample ID: 460-323430-10
Date Collected: 04/02/25 09:15
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:05
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 15:41

Client Sample ID: 10B2_3-4

Lab Sample ID: 460-323430-11
Date Collected: 04/02/25 09:20
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B2_3-4

Lab Sample ID: 460-323430-11
Date Collected: 04/02/25 09:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:06
Total/NA	Analysis	8260D		1	1030749	AAT	EET EDI	04/10/25 15:34

Client Sample ID: 10B2_7-8

Lab Sample ID: 460-323430-12
Date Collected: 04/02/25 09:25
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B2_7-8

Lab Sample ID: 460-323430-12
Date Collected: 04/02/25 09:25
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:07
Total/NA	Analysis	8260D		1	1030749	AAT	EET EDI	04/10/25 15:58

Client Sample ID: 10B3_4-5

Lab Sample ID: 460-323430-13
Date Collected: 04/02/25 09:30
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B3_4-5

Lab Sample ID: 460-323430-13
Date Collected: 04/02/25 09:30
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:07
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 16:52

Client Sample ID: 10B3_11-12

Lab Sample ID: 460-323430-14
Date Collected: 04/02/25 09:35
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10B3_11-12

Lab Sample ID: 460-323430-14
Date Collected: 04/02/25 09:35
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:07
Total/NA	Analysis	8260D		1	1030517	SZD	EET EDI	04/09/25 17:16

Client Sample ID: 10C1_0-1

Lab Sample ID: 460-323430-15
Date Collected: 04/02/25 09:40
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C1_0-1

Lab Sample ID: 460-323430-15
Date Collected: 04/02/25 09:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:08
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 07:46

Client Sample ID: 10C1_1-2

Lab Sample ID: 460-323430-16
Date Collected: 04/02/25 09:45
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C1_1-2
Date Collected: 04/02/25 09:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-16
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:08
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/10/25 23:03

Client Sample ID: 10C2_2-3
Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C2_2-3
Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-17
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:09
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 20:59

Client Sample ID: 10C2_5-6
Date Collected: 04/02/25 09:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C2_5-6
Date Collected: 04/02/25 09:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-18
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:09
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 21:24

Client Sample ID: 10C2_7-8
Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C2_7-8
Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-19
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:10
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 21:49

Client Sample ID: 10C3_2-3
Date Collected: 04/02/25 10:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C3_2-3
Date Collected: 04/02/25 10:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-20
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:10
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 22:14

Client Sample ID: 10C3_6-7
Date Collected: 04/02/25 10:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10C3_6-7
Date Collected: 04/02/25 10:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-21
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:11
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 22:39

Client Sample ID: 10D1_3-4
Date Collected: 04/02/25 10:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 10D1_3-4
Date Collected: 04/02/25 10:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-22
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:11
Total/NA	Analysis	8260D		1	1030559	SZD	EET EDI	04/09/25 23:03

Client Sample ID: 10D1_7-8
Date Collected: 04/02/25 10:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D1_7-8
Date Collected: 04/02/25 10:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-23
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029772	EMM	EET EDI	04/04/25 12:12
Total/NA	Analysis	8260D		1	1030727	AAT	EET EDI	04/10/25 02:22

Client Sample ID: 10D2_4-5
Date Collected: 04/02/25 10:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D2_4-5
Date Collected: 04/02/25 10:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-24
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:19
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/10/25 23:27

Client Sample ID: 10D2_9-10
Date Collected: 04/02/25 10:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D2_9-10

Lab Sample ID: 460-323430-25
Date Collected: 04/02/25 10:30
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:19
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/10/25 23:52

Client Sample ID: 10D3_0-1

Lab Sample ID: 460-323430-26
Date Collected: 04/02/25 10:35
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D3_0-1

Lab Sample ID: 460-323430-26
Date Collected: 04/02/25 10:35
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:19
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 00:17

Client Sample ID: 10D3_5-6

Lab Sample ID: 460-323430-27
Date Collected: 04/02/25 10:40
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D3_5-6

Lab Sample ID: 460-323430-27
Date Collected: 04/02/25 10:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:20
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 00:42

Client Sample ID: 10D3_11-12

Lab Sample ID: 460-323430-28
Date Collected: 04/02/25 10:45
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10D3_11-12
Date Collected: 04/02/25 10:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-28
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:20
Total/NA	Analysis	8260D		1	1030761	AAT	EET EDI	04/10/25 17:42

Client Sample ID: 10E1_4-5
Date Collected: 04/02/25 10:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E1_4-5
Date Collected: 04/02/25 10:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-29
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:21
Total/NA	Analysis	8260D		1	1030761	AAT	EET EDI	04/10/25 18:06

Client Sample ID: 10E1_9-10
Date Collected: 04/02/25 10:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E1_9-10
Date Collected: 04/02/25 10:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-30
Matrix: Solid
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:21
Total/NA	Analysis	8260D		1	1030761	AAT	EET EDI	04/10/25 18:31

Client Sample ID: 10E1_11-12
Date Collected: 04/02/25 11:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E1_11-12

Lab Sample ID: 460-323430-31
Date Collected: 04/02/25 11:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:22
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/10/25 22:13

Client Sample ID: 10E2_2-3

Lab Sample ID: 460-323430-32
Date Collected: 04/02/25 11:05
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E2_2-3

Lab Sample ID: 460-323430-32
Date Collected: 04/02/25 11:05
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:22
Total/NA	Analysis	8260D		1	1030761	AAT	EET EDI	04/10/25 19:21

Client Sample ID: 10E2_7-8

Lab Sample ID: 460-323430-33
Date Collected: 04/02/25 11:10
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E2_7-8

Lab Sample ID: 460-323430-33
Date Collected: 04/02/25 11:10
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 94.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:22
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 21:12

Client Sample ID: 10E3_6-7

Lab Sample ID: 460-323430-34
Date Collected: 04/02/25 11:15
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E3_6-7
Date Collected: 04/02/25 11:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-34
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:23
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 21:36

Client Sample ID: 10E3_9-10
Date Collected: 04/02/25 11:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 10E3_9-10
Date Collected: 04/02/25 11:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-35
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:23
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 21:59

Client Sample ID: 9A1_0-1
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A1_0-1
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-36
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:24
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 22:23

Client Sample ID: 9A1_3-4
Date Collected: 04/02/25 12:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9A1_3-4
Date Collected: 04/02/25 12:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-37
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:24
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 22:47

Client Sample ID: 9A2_4-5
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A2_4-5
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-38
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:25
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 23:10

Client Sample ID: 9A2_8-9
Date Collected: 04/02/25 12:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A2_8-9
Date Collected: 04/02/25 12:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-39
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:25
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 23:34

Client Sample ID: 9A3_4-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A3_4-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-40
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:26
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/10/25 23:58

Client Sample ID: 9A3_7-8
Date Collected: 04/02/25 12:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A3_7-8
Date Collected: 04/02/25 12:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-41
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:26
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 00:21

Client Sample ID: 9A3_9-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9A3_9-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-42
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:26
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 00:45

Client Sample ID: 9B1_2-3
Date Collected: 04/02/25 12:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B1_2-3
Date Collected: 04/02/25 12:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-43
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:27
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 01:08

Client Sample ID: 9B1_6-7
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9B1_6-7
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-44
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:27
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 01:32

Client Sample ID: 9B2_2-3
Date Collected: 04/02/25 13:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9B2_2-3
Date Collected: 04/02/25 13:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-45
Matrix: Solid
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:28
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 01:56

Client Sample ID: 9B2_8-9
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9B2_8-9
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-46
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:28
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 02:19

Client Sample ID: 9B3_3-4
Date Collected: 04/02/25 13:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9B3_3-4
Date Collected: 04/02/25 13:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-47
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:29
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 02:43

Client Sample ID: 9B3_9-10
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9B3_9-10
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-48
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:29
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 08:14

Client Sample ID: 9B3_7-8
Date Collected: 04/02/25 13:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9B3_7-8 — **Lab Sample ID: 460-323430-49**
Date Collected: 04/02/25 13:25 — **Matrix: Solid**
Date Received: 04/03/25 12:11 — **Percent Solids: 89.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:30
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 08:37

Client Sample ID: 9C1_1-2 — **Lab Sample ID: 460-323430-50**
Date Collected: 04/02/25 13:30 — **Matrix: Solid**
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C1_1-2 — **Lab Sample ID: 460-323430-50**
Date Collected: 04/02/25 13:30 — **Matrix: Solid**
Date Received: 04/03/25 12:11 — **Percent Solids: 92.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:30
Total/NA	Analysis	8260D		1	1030911	AAT	EET EDI	04/11/25 03:54

Client Sample ID: 9C1_5-6 — **Lab Sample ID: 460-323430-51**
Date Collected: 04/02/25 13:35 — **Matrix: Solid**
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C1_5-6 — **Lab Sample ID: 460-323430-51**
Date Collected: 04/02/25 13:35 — **Matrix: Solid**
Date Received: 04/03/25 12:11 — **Percent Solids: 86.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:31
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 09:01

Client Sample ID: 9C2_3-4 — **Lab Sample ID: 460-323430-52**
Date Collected: 04/02/25 13:40 — **Matrix: Solid**
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C2_3-4
Date Collected: 04/02/25 13:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-52
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:31
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 10:12

Client Sample ID: 9C2_6-7
Date Collected: 04/02/25 13:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C2_6-7
Date Collected: 04/02/25 13:45
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-53
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:32
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 08:11

Client Sample ID: 9C2_9-10
Date Collected: 04/02/25 13:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C2_9-10
Date Collected: 04/02/25 13:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-54
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:32
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 08:35

Client Sample ID: 9C3_4-5
Date Collected: 04/02/25 13:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C3_4-5
Date Collected: 04/02/25 13:55
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-55
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:32
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 01:56

Client Sample ID: 9C3_8-9
Date Collected: 04/02/25 14:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9C3_8-9
Date Collected: 04/02/25 14:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-56
Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:33
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 09:00

Client Sample ID: 9D1_0-1
Date Collected: 04/02/25 14:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D1_0-1
Date Collected: 04/02/25 14:05
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-57
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:33
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 02:47

Client Sample ID: 9D1_7-8
Date Collected: 04/02/25 14:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D1_7-8
Date Collected: 04/02/25 14:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-58
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:34
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 09:24

Client Sample ID: 9D2_3-4
Date Collected: 04/02/25 14:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-59
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D2_3-4
Date Collected: 04/02/25 14:15
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-59
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:34
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 03:37

Client Sample ID: 9D2_9-10
Date Collected: 04/02/25 14:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-60
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D2_9-10
Date Collected: 04/02/25 14:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-60
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:34
Total/NA	Analysis	8260D		1	1030894	AAT	EET EDI	04/11/25 04:02

Client Sample ID: 9D3_2-3
Date Collected: 04/02/25 14:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-61
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Client Sample ID: 9D3_2-3
Date Collected: 04/02/25 14:25
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-61
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:35
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 09:49

Client Sample ID: 9D3_5-6
Date Collected: 04/02/25 14:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-62
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D3_5-6
Date Collected: 04/02/25 14:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-62
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:35
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 10:36

Client Sample ID: 9D3_7-8
Date Collected: 04/02/25 14:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-63
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1029690	DAN	EET EDI	04/04/25 06:53

Client Sample ID: 9D3_7-8
Date Collected: 04/02/25 14:35
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323430-63
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1029774	EMM	EET EDI	04/04/25 12:36
Total/NA	Analysis	8260D		1	1030983	MZS	EET EDI	04/11/25 10:59

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323430-1	10A1_1-2	Solid	04/02/25 08:30	04/03/25 12:11
460-323430-2	10A1_3-4	Solid	04/02/25 08:35	04/03/25 12:11
460-323430-3	10A1_6-7	Solid	04/02/25 08:40	04/03/25 12:11
460-323430-4	10A2_2-3	Solid	04/02/25 08:45	04/03/25 12:11
460-323430-5	10A2_5-6	Solid	04/02/25 08:50	04/03/25 12:11
460-323430-6	10A3_4-5	Solid	04/02/25 08:55	04/03/25 12:11
460-323430-7	10A3_7-8	Solid	04/02/25 09:00	04/03/25 12:11
460-323430-8	10B1_2-3	Solid	04/02/25 09:05	04/03/25 12:11
460-323430-9	10B1_5-6	Solid	04/02/25 09:10	04/03/25 12:11
460-323430-10	10B1_10-11	Solid	04/02/25 09:15	04/03/25 12:11
460-323430-11	10B2_3-4	Solid	04/02/25 09:20	04/03/25 12:11
460-323430-12	10B2_7-8	Solid	04/02/25 09:25	04/03/25 12:11
460-323430-13	10B3_4-5	Solid	04/02/25 09:30	04/03/25 12:11
460-323430-14	10B3_11-12	Solid	04/02/25 09:35	04/03/25 12:11
460-323430-15	10C1_0-1	Solid	04/02/25 09:40	04/03/25 12:11
460-323430-16	10C1_1-2	Solid	04/02/25 09:45	04/03/25 12:11
460-323430-17	10C2_2-3	Solid	04/02/25 09:50	04/03/25 12:11
460-323430-18	10C2_5-6	Solid	04/02/25 09:55	04/03/25 12:11
460-323430-19	10C2_7-8	Solid	04/02/25 10:00	04/03/25 12:11
460-323430-20	10C3_2-3	Solid	04/02/25 10:05	04/03/25 12:11
460-323430-21	10C3_6-7	Solid	04/02/25 10:10	04/03/25 12:11
460-323430-22	10D1_3-4	Solid	04/02/25 10:15	04/03/25 12:11
460-323430-23	10D1_7-8	Solid	04/02/25 10:20	04/03/25 12:11
460-323430-24	10D2_4-5	Solid	04/02/25 10:25	04/03/25 12:11
460-323430-25	10D2_9-10	Solid	04/02/25 10:30	04/03/25 12:11
460-323430-26	10D3_0-1	Solid	04/02/25 10:35	04/03/25 12:11
460-323430-27	10D3_5-6	Solid	04/02/25 10:40	04/03/25 12:11
460-323430-28	10D3_11-12	Solid	04/02/25 10:45	04/03/25 12:11
460-323430-29	10E1_4-5	Solid	04/02/25 10:50	04/03/25 12:11
460-323430-30	10E1_9-10	Solid	04/02/25 10:55	04/03/25 12:11
460-323430-31	10E1_11-12	Solid	04/02/25 11:00	04/03/25 12:11
460-323430-32	10E2_2-3	Solid	04/02/25 11:05	04/03/25 12:11
460-323430-33	10E2_7-8	Solid	04/02/25 11:10	04/03/25 12:11
460-323430-34	10E3_6-7	Solid	04/02/25 11:15	04/03/25 12:11
460-323430-35	10E3_9-10	Solid	04/02/25 11:20	04/03/25 12:11
460-323430-36	9A1_0-1	Solid	04/02/25 12:20	04/03/25 12:11
460-323430-37	9A1_3-4	Solid	04/02/25 12:25	04/03/25 12:11
460-323430-38	9A2_4-5	Solid	04/02/25 12:30	04/03/25 12:11
460-323430-39	9A2_8-9	Solid	04/02/25 12:35	04/03/25 12:11
460-323430-40	9A3_4-5	Solid	04/02/25 12:40	04/03/25 12:11
460-323430-41	9A3_7-8	Solid	04/02/25 12:45	04/03/25 12:11
460-323430-42	9A3_9-10	Solid	04/02/25 12:50	04/03/25 12:11
460-323430-43	9B1_2-3	Solid	04/02/25 12:55	04/03/25 12:11
460-323430-44	9B1_6-7	Solid	04/02/25 13:00	04/03/25 12:11
460-323430-45	9B2_2-3	Solid	04/02/25 13:05	04/03/25 12:11
460-323430-46	9B2_8-9	Solid	04/02/25 13:10	04/03/25 12:11
460-323430-47	9B3_3-4	Solid	04/02/25 13:15	04/03/25 12:11
460-323430-48	9B3_9-10	Solid	04/02/25 13:20	04/03/25 12:11
460-323430-49	9B3_7-8	Solid	04/02/25 13:25	04/03/25 12:11
460-323430-50	9C1_1-2	Solid	04/02/25 13:30	04/03/25 12:11
460-323430-51	9C1_5-6	Solid	04/02/25 13:35	04/03/25 12:11
460-323430-52	9C2_3-4	Solid	04/02/25 13:40	04/03/25 12:11
460-323430-53	9C2_6-7	Solid	04/02/25 13:45	04/03/25 12:11
460-323430-54	9C2_9-10	Solid	04/02/25 13:50	04/03/25 12:11

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323430-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323430-55	9C3_4-5	Solid	04/02/25 13:55	04/03/25 12:11
460-323430-56	9C3_8-9	Solid	04/02/25 14:00	04/03/25 12:11
460-323430-57	9D1_0-1	Solid	04/02/25 14:05	04/03/25 12:11
460-323430-58	9D1_7-8	Solid	04/02/25 14:10	04/03/25 12:11
460-323430-59	9D2_3-4	Solid	04/02/25 14:15	04/03/25 12:11
460-323430-60	9D2_9-10	Solid	04/02/25 14:20	04/03/25 12:11
460-323430-61	9D3_2-3	Solid	04/02/25 14:25	04/03/25 12:11
460-323430-62	9D3_5-6	Solid	04/02/25 14:30	04/03/25 12:11
460-323430-63	9D3_7-8	Solid	04/02/25 14:35	04/03/25 12:11

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.1
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323430
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: fgiordano@haleyaldrich.com	PO #: 0208988-000-004-02			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None

460-323430 Chain of Custody

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633—1633-Standard List of 40 - TCL VOC	Total N	Special Instructions/Note:
		Preservation Code:					N			
10A1_1 2	1	4/2/25	830	G	Solid			X		
10A1_3 4	2		835		Solid					
10A1_6-7	3		840		Solid					
10A2_2 3	4		845		Solid					
10A2 5-6	5		850		Solid					
10A3 4	6		855		Solid					
10A3_7 8	7		900		Solid					
10B1_2 3	8		905		Solid					
10B1_5-6	9		910		Solid					SHORT HOLD
10B1_10 11	10		915		Solid					
10B2 3-4	11	⊥	920	⊥	Solid			⊥		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/3/25	Company HAS	Received by:	Date/Time: 04/03/25 10:10	Company		
Relinquished by:	Date/Time: 04/03/25	Company 1211	Received by:	Date/Time: 4/3/25 1211	Company EST		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:				

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777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.2
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323430
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgodano@haleyaldrich.com	PO #: 0208988-000-~~004-00~~ QG JL			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			Other

Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	4633_1634-Standard List of 40 SS	Total Number of containers	Special Instructions/Note:
	Preservation Code:							N		
10B2_7-8	12	4/2/25	925	G	Solid			X		
10B3 4 5	13		930		Solid					
10B3_11-12	14		935		Solid					
10C1 0-1	15		940		Solid					
10C1 1 2	16		945		Solid					
10C2_2 3	17		950		Solid					
10C2 5-6	18		955		Solid					
10C2_7-8	19		1000		Solid					
10C3 2 3	20		100		Solid					
10C3 6 7	21		10 0		Solid					
10D1_3 4	22		10 5		Solid					

TCL VOCs

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/3/25	HEA		10:10	
2		04/03/25			4/3/25 1241	EGT
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.3
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 3 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323430
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgordon@haleyaldrich.com	PO #: 00-02 C208988-000-00-03			Other
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater Ssolid, Owaste/oil BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:					N		
10DL_7-8	23	4/2/25	1020	G	Solid			X		
10D2 4 5	24		1025		Solid					
10DL 9 10	25		1030		Solid					
10D3_0-1	26		1035		Solid					
10D3_5 6	27		1040		Solid					
10D3_11 12	28		1045		Solid					
10E1_4 5	29		1050		Solid					
10F1_9-10	30		1055		Solid					
10E1_11-12	31		1100		Solid					
10E2 2 3	32		1105		Solid					
10E2_7-8	33		1110		Solid					

TCL VOCs

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/3/25	Company HSA	Received by:	Date/Time: 4/03/25 12:11	Company
Relinquished by:	Date/Time: 04/03/25	Company 12:11	Received by:	Date/Time: 4/3/25 1211	Company HSA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.4
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 4 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323430

Address: 213 West 35th St	Due Date Requested:	Analysis Requested	Preservation Codes: N None
City: New York	TAT Requested (days): Standard		
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No		
Phone: tgordano@haleyaldrich.com	PO #: 0208988-000-~~004-03~~ 006-07		
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY		
Project Name: Former Port Mobil – Staten Island	Project #: 46042832		
Site:	SSOW#:		Other

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 + 1668 Standard List of 40 + TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N			
10E3_6-7	34	4/2/25	1110	G	Solid			X		
10E3 9-10	35		1120		Solid					
9A1_0-1	36		1220		Solid					
9A1 3 4	37		1225		Solid					
9A2 4-5	38		1230		Solid					
9A2 8-9	39		1235		Solid					
9A3_4-5	40		1240		Solid					
9A3_7-8	41		245		Solid					
9A3_9 10	42		1250		Solid					
9B_2 3	43		1255		Solid					
9B1_6-7	44		1300		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 4/3/25	Company HAD	Received by:	Date/Time: 04/04/25 1020	Company
Relinquished by:	Date/Time: 04/03/25	Company 12 11	Received by:	Date/Time: 4/3/25 1711	Company EST
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.5
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 5 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323430
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgordano@haleyaldrich.com	PO #: 0208988-000~~-004-03~~ Rev 02			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None; Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 1633 Standard List of 40 TCL VOC	Total Number of containers	Special Instructions/Note:
	Preservation Code:				N				
9B2 2-3 45	4/2/25	30-	G	Solid			X		
9B2 5-6 46		1310		Solid					
9B3 3-4 47		1315		Solid					
9B3 9-10 48		1320		Solid					
9B3 7-8 49		1325		Solid					
9C1 1-2 50		1330		Solid					
9C1 5-6 51		1335		Solid					
9C2 3-4 52		1340		Solid					
9C2 6-7 53		1345		Solid					
9C2 9-10 54		1350		Solid					
9C3 4-5 55		1355		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/3/25	H&A		04/03/25 1010	
2		04/03/25			4/3/25 1211	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.6
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 6 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323430
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 0208988-000-[illegible]03			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633—1000-Standard-List-of-40	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N				
SC3_8-9 56	4/2/25	1400	G	Solid			X		
SD_0-1 57		1405		Solid					
SD1_7-8 58		1410		Solid					
SD2 3 4 59		1415		Solid					
SD2 9-10 60		1420		Solid					
SD3 2-3 61		1425		Solid					
SD3 5 6 62		1430		Solid					
SD3 7-8 63		1435		Solid					
				Solid					
				Solid					
				Water					

TCL VOCs

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/3/25	H&A	[signature]	4/3/25 1010	
2	Relinquished by: [signature]	Date/Time: 04/03/25	Company	Received by: [signature]	Date/Time: 4/3/25 1711	Company EFTC
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 323430

Number of Coolers: 2 IR Gun # 7

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.3 °C	1.7 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below*

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s)* _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 04/03/25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323430-1

Login Number: 323430
List Number: 1
Creator: Nelson, Rose E

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/14/2025 3:22:11 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323490-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/14/2025 3:22:11 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323490-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.6°C, 1.3°C and 1.7°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples 13A1_2-3 (460-323490-1), 13A1_4-5 (460-323490-2), 13A2_6-7 (460-323490-3), 13A2_8-9 (460-323490-4), 13A2_9-10 (460-323490-5), 13A3_1-2 (460-323490-6), 13A3_6-7 (460-323490-7), 13B1_3-4 (460-323490-8), 13B1_7-8 (460-323490-9), 13B1_9-10 (460-323490-10), 13B2_2-3 (460-323490-11), 13B2_5-6 (460-323490-12), 13B3_2-3 (460-323490-13), 13B3_7-8 (460-323490-14), 13C1_0-1 (460-323490-15), 13C1_3-4 (460-323490-16), 13C2_3-4 (460-323490-17), 13C2_6-7 (460-323490-18), 13C3_1-2 (460-323490-19), 13C3_4-5 (460-323490-20), 13C3_7-8 (460-323490-21), 15A1_2-3 (460-323490-22), 15A1_6-7 (460-323490-23), 15A1_7-8 (460-323490-24), 15A2_1-2 (460-323490-25), 15A2_3-4 (460-323490-26), 15A3_4-5 (460-323490-27), 15A3_7-8 (460-323490-28), 15B1_3-4 (460-323490-29), 15B1_7-8 (460-323490-30), 15B2_1-2 (460-323490-31), 15B2_3-4 (460-323490-32), 15B2_6-7 (460-323490-33), 15B3_0-1 (460-323490-34), 15B3_3-4 (460-323490-35), 17A1_2-3 (460-323490-36), 17A1_7-8 (460-323490-37), 17A1_3-4 (460-323490-38), 17A2_6-7 (460-323490-39), 17A2_7-8 (460-323490-40), 17A3_2-3 (460-323490-41), 17A3_5-6 (460-323490-42), 17B1_2-3 (460-323490-43), 17B1_5-6 (460-323490-44), 17B2_0-1 (460-323490-45), 17B2_5-6 (460-323490-46), 17B3_3-4 (460-323490-47), 17B3_6-7 (460-323490-48), 17B3_7-8 (460-323490-49), 18A1_1-2 (460-323490-50), 18A1_4-5 (460-323490-51), 18A1_7-8 (460-323490-52), 18A2_2-3 (460-323490-53), 18A2_8-9 (460-323490-54), 18A3_3-4 (460-323490-55), 18A3_6-7 (460-323490-56), 18B1_1-2 (460-323490-57), 18B1_7-8 (460-323490-58), 18B2_0-1 (460-323490-59), 18B2_7-8 (460-323490-60), 18B2_5-6 (460-323490-61), 18B3_2-3 (460-323490-62), 18B3_5-6 (460-323490-63), 18C1_0-1 (460-323490-64), 18C1_5-6 (460-323490-65), 18C2_3-4 (460-323490-66), 18C2_6-7 (460-323490-67), 18C3_4-5 (460-323490-68), 18C3_7-8 (460-323490-69), 18C3_9-10 (460-323490-70), 18D1_0-1 (460-323490-71), 18D1_6-7 (460-323490-72), 18D1_8-9 (460-323490-73), 18D2_1-2 (460-323490-74), 18D2_5-6 (460-323490-75), 18D3_3-4 (460-323490-76) and 18D3_7-8 (460-323490-77) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 4/6/2025 and analyzed on 4/11/2025, 4/12/2025 and 4/13/2025.

The continuing calibration verification (CCV) associated with batch 460-1030982 recovered above the upper control limit for Methyl acetate. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-1030982 recovered outside control limits for Methyl acetate. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1031173 was outside the method criteria for the following analytes: tert-Butylbenzene and sec-Butylbenzene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-1031173 recovered outside control limits for the following analytes: Chloroethane and Vinyl chloride (recovered high), sec-Butylbenzene, tert-Butylbenzene and 1,2,4-Trimethylbenzene (recovered low). The associated sample data have been flagged and reported.

The continuing calibration verification (CCV) analyzed in batch 460-1031261 was outside the method criteria for the following analytes: 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, sec-Butylbenzene and tert-Butylbenzene

(biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-1031261 recovered outside the lower control limits for the following analytes: 1,2,4-Trimethylbenzene, m-Xylene & p-Xylene, n-Butylbenzene and sec-Butylbenzene. The associated sample data have been flagged and reported.

Method Moisture - Percent Moisture
Samples 13A1_2-3 (460-323490-1), 13A1_4-5 (460-323490-2), 13A2_6-7 (460-323490-3), 13A2_8-9 (460-323490-4), 13A2_9-10 (460-323490-5), 13A3_1-2 (460-323490-6), 13A3_6-7 (460-323490-7), 13B1_3-4 (460-323490-8), 13B1_7-8 (460-323490-9), 13B1_9-10 (460-323490-10), 13B2_2-3 (460-323490-11), 13B2_5-6 (460-323490-12), 13B3_2-3 (460-323490-13), 13B3_7-8 (460-323490-14), 13C1_0-1 (460-323490-15), 13C1_3-4 (460-323490-16), 13C2_3-4 (460-323490-17), 13C2_6-7 (460-323490-18), 13C3_1-2 (460-323490-19), 13C3_4-5 (460-323490-20), 13C3_7-8 (460-323490-21), 15A1_2-3 (460-323490-22), 15A1_6-7 (460-323490-23), 15A1_7-8 (460-323490-24), 15A2_1-2 (460-323490-25), 15A2_3-4 (460-323490-26), 15A3_4-5 (460-323490-27), 15A3_7-8 (460-323490-28), 15B1_3-4 (460-323490-29), 15B1_7-8 (460-323490-30), 15B2_1-2 (460-323490-31), 15B2_3-4 (460-323490-32), 15B2_6-7 (460-323490-33), 15B3_0-1 (460-323490-34), 15B3_3-4 (460-323490-35), 17A1_2-3 (460-323490-36), 17A1_7-8 (460-323490-37), 17A1_3-4 (460-323490-38), 17A2_6-7 (460-323490-39), 17A2_7-8 (460-323490-40), 17A3_2-3 (460-323490-41), 17A3_5-6 (460-323490-42), 17B1_2-3 (460-323490-43), 17B1_5-6 (460-323490-44), 17B2_0-1 (460-323490-45), 17B2_5-6 (460-323490-46), 17B3_3-4 (460-323490-47), 17B3_6-7 (460-323490-48), 17B3_7-8 (460-323490-49), 18A1_1-2 (460-323490-50), 18A1_4-5 (460-323490-51), 18A1_7-8 (460-323490-52), 18A2_2-3 (460-323490-53), 18A2_8-9 (460-323490-54), 18A3_3-4 (460-323490-55), 18A3_6-7 (460-323490-56), 18B1_1-2 (460-323490-57), 18B1_7-8 (460-323490-58), 18B2_0-1 (460-323490-59), 18B2_7-8 (460-323490-60), 18B2_5-6 (460-323490-61), 18B3_2-3 (460-323490-62), 18B3_5-6 (460-323490-63), 18C1_0-1 (460-323490-64), 18C1_5-6 (460-323490-65), 18C2_3-4 (460-323490-66), 18C2_6-7 (460-323490-67), 18C3_4-5 (460-323490-68), 18C3_7-8 (460-323490-69), 18C3_9-10 (460-323490-70), 18D1_0-1 (460-323490-71), 18D1_6-7 (460-323490-72), 18D1_8-9 (460-323490-73), 18D2_1-2 (460-323490-74), 18D2_5-6 (460-323490-75), 18D3_3-4 (460-323490-76) and 18D3_7-8 (460-323490-77) were analyzed for Percent Moisture. The samples were analyzed on 4/7/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A1_2-3 — **Lab Sample ID: 460-323490-1**

No Detections.

Client Sample ID: 13A1_4-5 — **Lab Sample ID: 460-323490-2**

No Detections.

Client Sample ID: 13A2_6-7 — **Lab Sample ID: 460-323490-3**

No Detections.

Client Sample ID: 13A2_8-9 — **Lab Sample ID: 460-323490-4**

No Detections.

Client Sample ID: 13A2_9-10 — **Lab Sample ID: 460-323490-5**

No Detections.

Client Sample ID: 13A3_1-2 — **Lab Sample ID: 460-323490-6**

No Detections.

Client Sample ID: 13A3_6-7 — **Lab Sample ID: 460-323490-7**

No Detections.

Client Sample ID: 13B1_3-4 — **Lab Sample ID: 460-323490-8**

No Detections.

Client Sample ID: 13B1_7-8 — **Lab Sample ID: 460-323490-9**

No Detections.

Client Sample ID: 13B1_9-10 — **Lab Sample ID: 460-323490-10**

No Detections.

Client Sample ID: 13B2_2-3 — **Lab Sample ID: 460-323490-11**

No Detections.

Client Sample ID: 13B2_5-6 — **Lab Sample ID: 460-323490-12**

No Detections.

Client Sample ID: 13B3_2-3 — **Lab Sample ID: 460-323490-13**

No Detections.

Client Sample ID: 13B3_7-8 — **Lab Sample ID: 460-323490-14**

No Detections.

Client Sample ID: 13C1_0-1 — **Lab Sample ID: 460-323490-15**

No Detections.

Client Sample ID: 13C1_3-4 — **Lab Sample ID: 460-323490-16**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C2_3-4 — Lab Sample ID: 460-323490-17

No Detections.

Client Sample ID: 13C2_6-7 — Lab Sample ID: 460-323490-18

No Detections.

Client Sample ID: 13C3_1-2 — Lab Sample ID: 460-323490-19

No Detections.

Client Sample ID: 13C3_4-5 — Lab Sample ID: 460-323490-20

No Detections.

Client Sample ID: 13C3_7-8 — Lab Sample ID: 460-323490-21

No Detections.

Client Sample ID: 15A1_2-3 — Lab Sample ID: 460-323490-22

No Detections.

Client Sample ID: 15A1_6-7 — Lab Sample ID: 460-323490-23

No Detections.

Client Sample ID: 15A1_7-8 — Lab Sample ID: 460-323490-24

No Detections.

Client Sample ID: 15A2_1-2 — Lab Sample ID: 460-323490-25

No Detections.

Client Sample ID: 15A2_3-4 — Lab Sample ID: 460-323490-26

No Detections.

Client Sample ID: 15A3_4-5 — Lab Sample ID: 460-323490-27

No Detections.

Client Sample ID: 15A3_7-8 — Lab Sample ID: 460-323490-28

No Detections.

Client Sample ID: 15B1_3-4 — Lab Sample ID: 460-323490-29

No Detections.

Client Sample ID: 15B1_7-8 — Lab Sample ID: 460-323490-30

No Detections.

Client Sample ID: 15B2_1-2 — Lab Sample ID: 460-323490-31

No Detections.

Client Sample ID: 15B2_3-4 — Lab Sample ID: 460-323490-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0019	J	0.0032	0.0019	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15B2_6-7 — **Lab Sample ID: 460-323490-33**

No Detections.

Client Sample ID: 15B3_0-1 — **Lab Sample ID: 460-323490-34**

No Detections.

Client Sample ID: 15B3_3-4 — **Lab Sample ID: 460-323490-35**

No Detections.

Client Sample ID: 17A1_2-3 — **Lab Sample ID: 460-323490-36**

No Detections.

Client Sample ID: 17A1_7-8 — **Lab Sample ID: 460-323490-37**

No Detections.

Client Sample ID: 17A1_3-4 — **Lab Sample ID: 460-323490-38**

No Detections.

Client Sample ID: 17A2_6-7 — **Lab Sample ID: 460-323490-39**

No Detections.

Client Sample ID: 17A2_7-8 — **Lab Sample ID: 460-323490-40**

No Detections.

Client Sample ID: 17A3_2-3 — **Lab Sample ID: 460-323490-41**

No Detections.

Client Sample ID: 17A3_5-6 — **Lab Sample ID: 460-323490-42**

No Detections.

Client Sample ID: 17B1_2-3 — **Lab Sample ID: 460-323490-43**

No Detections.

Client Sample ID: 17B1_5-6 — **Lab Sample ID: 460-323490-44**

No Detections.

Client Sample ID: 17B2_0-1 — **Lab Sample ID: 460-323490-45**

No Detections.

Client Sample ID: 17B2_5-6 — **Lab Sample ID: 460-323490-46**

No Detections.

Client Sample ID: 17B3_3-4 — **Lab Sample ID: 460-323490-47**

No Detections.

Client Sample ID: 17B3_6-7 — **Lab Sample ID: 460-323490-48**

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17B3_7-8 — Lab Sample ID: 460-323490-49

No Detections.

Client Sample ID: 18A1_1-2 — Lab Sample ID: 460-323490-50

No Detections.

Client Sample ID: 18A1_4-5 — Lab Sample ID: 460-323490-51

No Detections.

Client Sample ID: 18A1_7-8 — Lab Sample ID: 460-323490-52

No Detections.

Client Sample ID: 18A2_2-3 — Lab Sample ID: 460-323490-53

No Detections.

Client Sample ID: 18A2_8-9 — Lab Sample ID: 460-323490-54

No Detections.

Client Sample ID: 18A3_3-4 — Lab Sample ID: 460-323490-55

No Detections.

Client Sample ID: 18A3_6-7 — Lab Sample ID: 460-323490-56

No Detections.

Client Sample ID: 18B1_1-2 — Lab Sample ID: 460-323490-57

No Detections.

Client Sample ID: 18B1_7-8 — Lab Sample ID: 460-323490-58

No Detections.

Client Sample ID: 18B2_0-1 — Lab Sample ID: 460-323490-59

No Detections.

Client Sample ID: 18B2_7-8 — Lab Sample ID: 460-323490-60

No Detections.

Client Sample ID: 18B2_5-6 — Lab Sample ID: 460-323490-61

No Detections.

Client Sample ID: 18B3_2-3 — Lab Sample ID: 460-323490-62

No Detections.

Client Sample ID: 18B3_5-6 — Lab Sample ID: 460-323490-63

No Detections.

Client Sample ID: 18C1_0-1 — Lab Sample ID: 460-323490-64

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18C1_5-6 — Lab Sample ID: 460-323490-65

No Detections.

Client Sample ID: 18C2_3-4 — Lab Sample ID: 460-323490-66

No Detections.

Client Sample ID: 18C2_6-7 — Lab Sample ID: 460-323490-67

No Detections.

Client Sample ID: 18C3_4-5 — Lab Sample ID: 460-323490-68

No Detections.

Client Sample ID: 18C3_7-8 — Lab Sample ID: 460-323490-69

No Detections.

Client Sample ID: 18C3_9-10 — Lab Sample ID: 460-323490-70

No Detections.

Client Sample ID: 18D1_0-1 — Lab Sample ID: 460-323490-71

No Detections.

Client Sample ID: 18D1_6-7 — Lab Sample ID: 460-323490-72

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0025	J	0.0028	0.0016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 18D1_8-9 — Lab Sample ID: 460-323490-73

No Detections.

Client Sample ID: 18D2_1-2 — Lab Sample ID: 460-323490-74

No Detections.

Client Sample ID: 18D2_5-6 — Lab Sample ID: 460-323490-75

No Detections.

Client Sample ID: 18D3_3-4 — Lab Sample ID: 460-323490-76

No Detections.

Client Sample ID: 18D3_7-8 — Lab Sample ID: 460-323490-77

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A1_2-3
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-1
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,1,2-Trichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00064	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2-Dibromo-3-Chloropropane	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00032	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Benzene	0.00086	U	0.00086	0.00049	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Bromoform	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chlorobenzene	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chlorobromomethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chlorodibromomethane	0.00086	U	0.00086	0.00046	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chloroform	0.00086	U	0.00086	0.00084	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Chloromethane	0.00086	U	0.00086	0.00038	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Ethylbenzene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Ethylene Dibromide	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Isopropylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Methyl acetate	0.0043	U *	0.0043	0.0037	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
N-Propylbenzene	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
o-Xylene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1

Client Sample ID: 13A1_2-3

Lab Sample ID: 460-323490-1

Date Collected: 04/03/25 08:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
trans-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Vinyl chloride	0.00086	U	0.00086	0.00047	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 10:40	04/11/25 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*65 - 138*	*04/06/25 10:40*	*04/11/25 10:14*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*04/06/25 10:40*	*04/11/25 10:14*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*	*04/06/25 10:40*	*04/11/25 10:14*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:40*	*04/11/25 10:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.6**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 13A1_4-5

Lab Sample ID: 460-323490-2

Date Collected: 04/03/25 08:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0017	U	0.0017	0.00039	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0017	0.00088	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0017	U	0.0017	0.00051	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,1,2-Trichloroethane	0.0017	U	0.0017	0.0010	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,1-Dichloroethane	0.0017	U	0.0017	0.0010	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,1-Dichloroethene	0.0017	U	0.0017	0.00038	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2,3-Trichlorobenzene	0.0017	U	0.0017	0.0012	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2,4-Trichlorobenzene	0.0017	U	0.0017	0.00060	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2,4-Trimethylbenzene	0.0017	U	0.0017	0.00042	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.00078	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2-Dichlorobenzene	0.0017	U	0.0017	0.00061	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2-Dichloroethane	0.0017	U	0.0017	0.00050	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,2-Dichloropropane	0.0017	U	0.0017	0.00071	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,3,5-Trimethylbenzene	0.0017	U	0.0017	0.00053	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,3-Dichlorobenzene	0.0017	U	0.0017	0.00062	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
1,4-Dichlorobenzene	0.0017	U	0.0017	0.00088	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
2-Butanone (MEK)	0.0084	U	0.0084	0.00062	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
2-Hexanone	0.0084	U	0.0084	0.0029	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
4-Methyl-2-pentanone (MIBK)	0.0084	U	0.0084	0.0026	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Acetone	0.010	U	0.010	0.0097	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Benzene	0.0017	U	0.0017	0.00096	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Bromoform	0.0017	U	0.0017	0.00072	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Bromomethane	0.0034	U	0.0034	0.0017	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1

Client Sample ID: 13A1_4-5
Date Collected: 04/03/25 08:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-2
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0017	U	0.0017	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Carbon tetrachloride	0.0017	U	0.0017	0.00065	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chlorobenzene	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chlorobromomethane	0.0017	U	0.0017	0.0010	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chlorodibromomethane	0.0017	U	0.0017	0.00091	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chloroethane	0.0017	U	0.0017	0.00088	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chloroform	0.0017	U	0.0017	0.0016	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Chloromethane	0.0017	U	0.0017	0.00073	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
cis-1,2-Dichloroethene	0.0017	U	0.0017	0.00060	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
cis-1,3-Dichloropropene	0.0017	U	0.0017	0.00046	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Cyclohexane	0.0017	U	0.0017	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Dichlorobromomethane	0.0017	U	0.0017	0.00043	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Dichlorodifluoromethane	0.0017	U	0.0017	0.00057	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Ethylbenzene	0.0017	U	0.0017	0.00079	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Ethylene Dibromide	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Isopropylbenzene	0.0017	U	0.0017	0.00048	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Methyl acetate	0.0084	U *	0.0084	0.0073	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Methyl tert-butyl ether	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Methylcyclohexane	0.0017	U	0.0017	0.00084	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Methylene Chloride	0.0034	U	0.0034	0.0019	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
m-Xylene & p-Xylene	0.0017	U	0.0017	0.00071	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
n-Butylbenzene	0.0017	U	0.0017	0.00050	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
N-Propylbenzene	0.0017	U	0.0017	0.00076	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
o-Xylene	0.0017	U	0.0017	0.00078	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
sec-Butylbenzene	0.0017	U	0.0017	0.00049	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Styrene	0.0017	U	0.0017	0.00047	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
tert-Butylbenzene	0.0017	U	0.0017	0.00047	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Tetrachloroethene	0.0017	U	0.0017	0.00051	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Toluene	0.0017	U	0.0017	0.00039	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
trans-1,2-Dichloroethene	0.0017	U	0.0017	0.00042	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
trans-1,3-Dichloropropene	0.0017	U	0.0017	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Trichloroethene	0.0017	U	0.0017	0.00054	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Trichlorofluoromethane	0.0017	U	0.0017	0.00069	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Vinyl chloride	0.0017	U	0.0017	0.00092	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1
Xylenes, Total	0.0034	U	0.0034	0.00029	mg/Kg	☼	04/06/25 10:40	04/11/25 10:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*65 - 138*	*04/06/25 10:40*	*04/11/25 10:39*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:40*	*04/11/25 10:39*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 10:40*	*04/11/25 10:39*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*	*04/06/25 10:40*	*04/11/25 10:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A2_6-7
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-3
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00073	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00072	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00090	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
2-Butanone (MEK)	0.0061	U	0.0061	0.00045	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
2-Hexanone	0.0061	U	0.0061	0.0021	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
4-Methyl-2-pentanone (MIBK)	0.0061	U	0.0061	0.0019	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Acetone	0.0073	U	0.0073	0.0069	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Benzene	0.0012	U	0.0012	0.00069	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Carbon tetrachloride	0.0012	U	0.0012	0.00047	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chlorobromomethane	0.0012	U	0.0012	0.00072	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chlorodibromomethane	0.0012	U	0.0012	0.00065	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chloroethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Chloromethane	0.0012	U	0.0012	0.00053	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00041	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Ethylbenzene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Ethylene Dibromide	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Methyl acetate	0.0061	U *	0.0061	0.0052	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
N-Propylbenzene	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
o-Xylene	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1

Client Sample ID: 13A2_6-7

Lab Sample ID: 460-323490-3

Date Collected: 04/03/25 08:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Tetrachloroethene	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Trichloroethene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00049	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Vinyl chloride	0.0012	U	0.0012	0.00066	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	04/06/25 10:40	04/11/25 11:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*128*		*65 - 138*	*04/06/25 10:40*	*04/11/25 11:03*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:40*	*04/11/25 11:03*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:40*	*04/11/25 11:03*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/06/25 10:40*	*04/11/25 11:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13A2_8-9

Lab Sample ID: 460-323490-4

Date Collected: 04/03/25 08:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00061	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2,4-Trimethylbenzene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Acetone	0.0050	U	0.0050	0.0048	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1

Client Sample ID: 13A2_8-9
Date Collected: 04/03/25 08:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-4
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chlorobromomethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chlorodibromomethane	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chloroethane	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chloroform	0.00083	U	0.00083	0.00081	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Methyl acetate	0.0042	U *	0.0042	0.0036	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Methylcyclohexane	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Methylene Chloride	0.0017	U	0.0017	0.00095	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
m-Xylene & p-Xylene	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
n-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
sec-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
tert-Butylbenzene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Toluene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Vinyl chloride	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1
Xylenes, Total	0.0017	U	0.0017	0.00014	mg/Kg	☼	04/06/25 10:41	04/11/25 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*	*04/06/25 10:41*	*04/11/25 11:27*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:41*	*04/11/25 11:27*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:41*	*04/11/25 11:27*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 10:41*	*04/11/25 11:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.0**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**89.0**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A2_9-10
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-5
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Methyl acetate	0.0045	U *	0.0045	0.0039	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1

Client Sample ID: 13A2_9-10

Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-5

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00036	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 10:41	04/11/25 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*122*		*65 - 138*	*04/06/25 10:41*	*04/11/25 11:52*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:41*	*04/11/25 11:52*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/06/25 10:41*	*04/11/25 11:52*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/06/25 10:41*	*04/11/25 11:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13A3_1-2

Date Collected: 04/03/25 08:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-6

Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1

Client Sample ID: 13A3_1-2
Date Collected: 04/03/25 08:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-6
Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chlorobromomethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chlorodibromomethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Methyl acetate	0.0055	U *	0.0055	0.0047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
o-Xylene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/06/25 10:42	04/11/25 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*65 - 138*	*04/06/25 10:42*	*04/11/25 12:18*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:42*	*04/11/25 12:18*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/06/25 10:42*	*04/11/25 12:18*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/06/25 10:42*	*04/11/25 12:18*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.9**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A3_6-7
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-7
Matrix: Solid
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00055	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00067	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2,4-Trimethylbenzene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00038	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
2-Hexanone	0.0045	U	0.0045	0.0016	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Benzene	0.00091	U	0.00091	0.00052	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Bromoform	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chlorobenzene	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chlorobromomethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chlorodibromomethane	0.00091	U	0.00091	0.00049	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chloroethane	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chloroform	0.00091	U	0.00091	0.00088	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Chloromethane	0.00091	U	0.00091	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Ethylbenzene	0.00091	U	0.00091	0.00043	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Ethylene Dibromide	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Methyl acetate	0.0045	U *	0.0045	0.0039	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Methylcyclohexane	0.00091	U	0.00091	0.00045	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00038	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
N-Propylbenzene	0.00091	U	0.00091	0.00041	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
o-Xylene	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
sec-Butylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1

Client Sample ID: 13A3_6-7

Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-7

Matrix: Solid
Percent Solids: 96.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
trans-1,3-Dichloropropene	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Vinyl chloride	0.00091	U	0.00091	0.00050	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 10:42	04/11/25 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*65 - 138*	*04/06/25 10:42*	*04/11/25 12:43*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:42*	*04/11/25 12:43*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:42*	*04/11/25 12:43*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 10:42*	*04/11/25 12:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**96.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 13B1_3-4

Date Collected: 04/03/25 08:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-8

Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00057	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00070	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1

Client Sample ID: 13B1_3-4
Date Collected: 04/03/25 08:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-8
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chlorodibromomethane	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Methyl acetate	0.0047	U *	0.0047	0.0040	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:42	04/11/25 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*125*		*65 - 138*	*04/06/25 10:42*	*04/11/25 13:08*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:42*	*04/11/25 13:08*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/06/25 10:42*	*04/11/25 13:08*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:42*	*04/11/25 13:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13B1_7-8
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-9
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00044	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00062	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2,4-Trimethylbenzene	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Acetone	0.0050	U	0.0050	0.0048	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chlorobromomethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chlorodibromomethane	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chloroethane	0.00083	U	0.00083	0.00044	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chloroform	0.00083	U	0.00083	0.00081	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Methyl acetate	0.0042	U *	0.0042	0.0036	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Methylcyclohexane	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Methylene Chloride	0.0017	U	0.0017	0.00096	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
m-Xylene & p-Xylene	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
n-Butylbenzene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
sec-Butylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1

Client Sample ID: 13B1_7-8

Lab Sample ID: 460-323490-9

Date Collected: 04/03/25 08:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Toluene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Vinyl chloride	0.00083	U	0.00083	0.00046	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 10:43	04/11/25 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*121*		*65 - 138*	*04/06/25 10:43*	*04/11/25 13:33*	*1*
4-Bromofluorobenzene	*86*		*71 - 128*	*04/06/25 10:43*	*04/11/25 13:33*	*1*
Dibromofluoromethane (Surr)	*112*		*50 - 150*	*04/06/25 10:43*	*04/11/25 13:33*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 10:43*	*04/11/25 13:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13B1_9-10

Lab Sample ID: 460-323490-10

Date Collected: 04/03/25 08:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0019	U	0.0019	0.00044	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,1,2,2-Tetrachloroethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0019	U	0.0019	0.00057	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,1,2-Trichloroethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,1-Dichloroethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,1-Dichloroethene	0.0019	U	0.0019	0.00043	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2,3-Trichlorobenzene	0.0019	U	0.0019	0.0014	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2,4-Trichlorobenzene	0.0019	U	0.0019	0.00068	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2,4-Trimethylbenzene	0.0019	U	0.0019	0.00047	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2-Dibromo-3-Chloropropane	0.0019	U	0.0019	0.00088	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2-Dichlorobenzene	0.0019	U	0.0019	0.00069	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2-Dichloroethane	0.0019	U	0.0019	0.00056	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,2-Dichloropropane	0.0019	U	0.0019	0.00081	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,3,5-Trimethylbenzene	0.0019	U	0.0019	0.00060	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,3-Dichlorobenzene	0.0019	U	0.0019	0.00070	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
1,4-Dichlorobenzene	0.0019	U	0.0019	0.00099	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
2-Butanone (MEK)	0.0095	U	0.0095	0.00070	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
2-Hexanone	0.0095	U	0.0095	0.0033	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
4-Methyl-2-pentanone (MIBK)	0.0095	U	0.0095	0.0030	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Acetone	0.011	U	0.011	0.011	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Benzene	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Bromoform	0.0019	U	0.0019	0.00081	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Bromomethane	0.0038	U	0.0038	0.0019	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1

Client Sample ID: 13B1_9-10
Date Collected: 04/03/25 08:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-10
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0019	U	0.0019	0.00051	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Carbon tetrachloride	0.0019	U	0.0019	0.00074	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chlorobenzene	0.0019	U	0.0019	0.00097	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chlorobromomethane	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chlorodibromomethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chloroethane	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chloroform	0.0019	U	0.0019	0.0019	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Chloromethane	0.0019	U	0.0019	0.00083	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
cis-1,2-Dichloroethene	0.0019	U	0.0019	0.00068	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
cis-1,3-Dichloropropene	0.0019	U	0.0019	0.00052	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Cyclohexane	0.0019	U	0.0019	0.00042	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Dichlorobromomethane	0.0019	U	0.0019	0.00049	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Dichlorodifluoromethane	0.0019	U	0.0019	0.00064	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Ethylbenzene	0.0019	U	0.0019	0.00089	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Ethylene Dibromide	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Isopropylbenzene	0.0019	U	0.0019	0.00054	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Methyl acetate	0.0095	U *	0.0095	0.0082	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Methyl tert-butyl ether	0.0019	U	0.0019	0.00098	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Methylcyclohexane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Methylene Chloride	0.0038	U	0.0038	0.0022	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
m-Xylene & p-Xylene	0.0019	U	0.0019	0.00081	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
n-Butylbenzene	0.0019	U	0.0019	0.00056	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
N-Propylbenzene	0.0019	U	0.0019	0.00086	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
o-Xylene	0.0019	U	0.0019	0.00088	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
sec-Butylbenzene	0.0019	U	0.0019	0.00055	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Styrene	0.0019	U	0.0019	0.00053	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
tert-Butylbenzene	0.0019	U	0.0019	0.00053	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Tetrachloroethene	0.0019	U	0.0019	0.00058	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Toluene	0.0019	U	0.0019	0.00045	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
trans-1,2-Dichloroethene	0.0019	U	0.0019	0.00047	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
trans-1,3-Dichloropropene	0.0019	U	0.0019	0.00051	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Trichloroethene	0.0019	U	0.0019	0.00061	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Trichlorofluoromethane	0.0019	U	0.0019	0.00077	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Vinyl chloride	0.0019	U	0.0019	0.0010	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1
Xylenes, Total	0.0038	U	0.0038	0.00033	mg/Kg	☼	04/06/25 10:43	04/11/25 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*65 - 138*	*04/06/25 10:43*	*04/11/25 13:57*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:43*	*04/11/25 13:57*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 10:43*	*04/11/25 13:57*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*04/06/25 10:43*	*04/11/25 13:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.1**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**88.9**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13B2_2-3
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-11
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chlorobenzene	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Methyl acetate	0.0047	U *	0.0047	0.0040	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1

Client Sample ID: 13B2_2-3

Lab Sample ID: 460-323490-11

Date Collected: 04/03/25 08:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:44	04/11/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*65 - 138*	*04/06/25 10:44*	*04/11/25 14:22*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:44*	*04/11/25 14:22*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:44*	*04/11/25 14:22*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:44*	*04/11/25 14:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.6**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 13B2_5-6

Lab Sample ID: 460-323490-12

Date Collected: 04/03/25 08:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00058	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00071	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Benzene	0.00096	U	0.00096	0.00055	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1

Client Sample ID: 13B2_5-6
Date Collected: 04/03/25 08:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-12
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chlorobenzene	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chlorobromomethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chlorodibromomethane	0.00096	U	0.00096	0.00052	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chloroform	0.00096	U	0.00096	0.00094	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00033	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Ethylene Dibromide	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Methyl acetate	0.0048	U *	0.0048	0.0041	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
N-Propylbenzene	0.00096	U	0.00096	0.00043	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
o-Xylene	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
tert-Butylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Toluene	0.00096	U	0.00096	0.00023	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Vinyl chloride	0.00096	U	0.00096	0.00053	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 10:44	04/11/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*129*		*65 - 138*	*04/06/25 10:44*	*04/11/25 14:47*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/06/25 10:44*	*04/11/25 14:47*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:44*	*04/11/25 14:47*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:44*	*04/11/25 14:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.6**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13B3_2-3
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-13
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Methyl acetate	0.0045	U *	0.0045	0.0039	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1

Client Sample ID: 13B3_2-3

Lab Sample ID: 460-323490-13

Date Collected: 04/03/25 09:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 10:45	04/11/25 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*	*04/06/25 10:45*	*04/11/25 15:12*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:45*	*04/11/25 15:12*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:45*	*04/11/25 15:12*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 10:45*	*04/11/25 15:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.5**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**93.5**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13B3_7-8

Lab Sample ID: 460-323490-14

Date Collected: 04/03/25 09:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00077	U	0.00077	0.00018	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,1,2,2-Tetrachloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,1,2-Trichloroethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,1-Dichloroethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,1-Dichloroethene	0.00077	U	0.00077	0.00017	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2,3-Trichlorobenzene	0.00077	U	0.00077	0.00057	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2,4-Trichlorobenzene	0.00077	U	0.00077	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2,4-Trimethylbenzene	0.00077	U	0.00077	0.00019	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2-Dibromo-3-Chloropropane	0.00077	U	0.00077	0.00035	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2-Dichloroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,2-Dichloropropane	0.00077	U	0.00077	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,3,5-Trimethylbenzene	0.00077	U	0.00077	0.00024	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,3-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
1,4-Dichlorobenzene	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Acetone	0.0046	U	0.0046	0.0044	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Benzene	0.00077	U	0.00077	0.00043	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Bromoform	0.00077	U	0.00077	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Bromomethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13B3_7-8
Date Collected: 04/03/25 09:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-14
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00077	U	0.00077	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Carbon tetrachloride	0.00077	U	0.00077	0.00030	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chlorobenzene	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chlorobromomethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chlorodibromomethane	0.00077	U	0.00077	0.00041	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chloroform	0.00077	U	0.00077	0.00074	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Chloromethane	0.00077	U	0.00077	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
cis-1,2-Dichloroethene	0.00077	U	0.00077	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
cis-1,3-Dichloropropene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Cyclohexane	0.00077	U	0.00077	0.00017	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Dichlorobromomethane	0.00077	U	0.00077	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Dichlorodifluoromethane	0.00077	U	0.00077	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Ethylbenzene	0.00077	U	0.00077	0.00036	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Ethylene Dibromide	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Isopropylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Methyl acetate	0.0038	U *	0.0038	0.0033	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Methyl tert-butyl ether	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Methylcyclohexane	0.00077	U	0.00077	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Methylene Chloride	0.0015	U	0.0015	0.00088	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
m-Xylene & p-Xylene	0.00077	U	0.00077	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
n-Butylbenzene	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
N-Propylbenzene	0.00077	U	0.00077	0.00034	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
o-Xylene	0.00077	U	0.00077	0.00035	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
sec-Butylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Styrene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
tert-Butylbenzene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Tetrachloroethene	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Toluene	0.00077	U	0.00077	0.00018	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
trans-1,2-Dichloroethene	0.00077	U	0.00077	0.00019	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
trans-1,3-Dichloropropene	0.00077	U	0.00077	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Trichloroethene	0.00077	U	0.00077	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Trichlorofluoromethane	0.00077	U	0.00077	0.00031	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Vinyl chloride	0.00077	U	0.00077	0.00042	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/06/25 10:45	04/11/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*	*04/06/25 10:45*	*04/11/25 15:37*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/06/25 10:45*	*04/11/25 15:37*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:45*	*04/11/25 15:37*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:45*	*04/11/25 15:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.4		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	90.6		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C1_0-1
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-15
Matrix: Solid
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00067	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2,4-Trimethylbenzene	0.00091	U *	0.00091	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
2-Hexanone	0.0045	U	0.0045	0.0016	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Benzene	0.00091	U	0.00091	0.00051	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Bromoform	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chlorobenzene	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chlorobromomethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chlorodibromomethane	0.00091	U	0.00091	0.00049	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chloroethane	0.00091	U *	0.00091	0.00047	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chloroform	0.00091	U	0.00091	0.00088	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Chloromethane	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00032	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Ethylbenzene	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Ethylene Dibromide	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Methylcyclohexane	0.00091	U	0.00091	0.00045	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00038	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
N-Propylbenzene	0.00091	U	0.00091	0.00041	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
o-Xylene	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
sec-Butylbenzene	0.00091	U *	0.00091	0.00026	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1

Client Sample ID: 13C1_0-1

Lab Sample ID: 460-323490-15

Date Collected: 04/03/25 09:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 95.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00091	U *	0.00091	0.00025	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
trans-1,3-Dichloropropene	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Vinyl chloride	0.00091	U *	0.00091	0.00050	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 10:45	04/11/25 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*04/06/25 10:45*	*04/11/25 19:58*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 10:45*	*04/11/25 19:58*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/06/25 10:45*	*04/11/25 19:58*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 10:45*	*04/11/25 19:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.7**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**95.3**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13C1_3-4

Lab Sample ID: 460-323490-16

Date Collected: 04/03/25 09:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2,4-Trimethylbenzene	0.00095	U *	0.00095	0.00023	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1

Client Sample ID: 13C1_3-4
Date Collected: 04/03/25 09:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-16
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chloroethane	0.00095	U *	0.00095	0.00050	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Ethylbenzene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
sec-Butylbenzene	0.00095	U *	0.00095	0.00027	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
tert-Butylbenzene	0.00095	U *	0.00095	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Trichloroethene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Vinyl chloride	0.00095	U *	0.00095	0.00052	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 10:46	04/11/25 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*04/06/25 10:46*	*04/11/25 20:22*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:46*	*04/11/25 20:22*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:46*	*04/11/25 20:22*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 10:46*	*04/11/25 20:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C2_3-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-17
Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00064	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2,4-Trimethylbenzene	0.00087	U *	0.00087	0.00021	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2-Dibromo-3-Chloropropane	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0014	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Benzene	0.00087	U	0.00087	0.00049	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chlorobenzene	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chlorobromomethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chlorodibromomethane	0.00087	U	0.00087	0.00047	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chloroethane	0.00087	U *	0.00087	0.00045	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chloroform	0.00087	U	0.00087	0.00084	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00029	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Ethylbenzene	0.00087	U	0.00087	0.00041	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Ethylene Dibromide	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Methylcyclohexane	0.00087	U	0.00087	0.00043	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
n-Butylbenzene	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
N-Propylbenzene	0.00087	U	0.00087	0.00039	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
o-Xylene	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
sec-Butylbenzene	0.00087	U *	0.00087	0.00025	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1

Client Sample ID: 13C2_3-4

Lab Sample ID: 460-323490-17

Date Collected: 04/03/25 09:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 96.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00087	U *	0.00087	0.00024	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Tetrachloroethene	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Vinyl chloride	0.00087	U *	0.00087	0.00047	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 10:46	04/11/25 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*65 - 138*	*04/06/25 10:46*	*04/11/25 20:47*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:46*	*04/11/25 20:47*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/06/25 10:46*	*04/11/25 20:47*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:46*	*04/11/25 20:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.6**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**96.4**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 13C2_6-7

Lab Sample ID: 460-323490-18

Date Collected: 04/03/25 09:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00057	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00070	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2,4-Trimethylbenzene	0.00094	U *	0.00094	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1

Client Sample ID: 13C2_6-7
Date Collected: 04/03/25 09:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-18
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chlorodibromomethane	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chloroethane	0.00094	U *	0.00094	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
sec-Butylbenzene	0.00094	U *	0.00094	0.00027	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
tert-Butylbenzene	0.00094	U *	0.00094	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Vinyl chloride	0.00094	U *	0.00094	0.00051	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:47	04/11/25 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/06/25 10:47*	*04/11/25 21:11*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:47*	*04/11/25 21:11*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:47*	*04/11/25 21:11*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:47*	*04/11/25 21:11*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.3		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	92.7		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C3_1-2
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-19
Matrix: Solid
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,1,2-Trichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,1-Dichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,1-Dichloroethene	0.00082	U	0.00082	0.00018	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2,3-Trichlorobenzene	0.00082	U	0.00082	0.00061	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2,4-Trichlorobenzene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2,4-Trimethylbenzene	0.00082	U *	0.00082	0.00020	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2-Dibromo-3-Chloropropane	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2-Dichloroethane	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,2-Dichloropropane	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,3,5-Trimethylbenzene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,3-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
1,4-Dichlorobenzene	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Benzene	0.00082	U	0.00082	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Bromoform	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Bromomethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Carbon disulfide	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Carbon tetrachloride	0.00082	U	0.00082	0.00032	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chlorobenzene	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chlorobromomethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chlorodibromomethane	0.00082	U	0.00082	0.00044	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chloroethane	0.00082	U *	0.00082	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chloroform	0.00082	U	0.00082	0.00080	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Chloromethane	0.00082	U	0.00082	0.00036	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
cis-1,2-Dichloroethene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
cis-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Cyclohexane	0.00082	U	0.00082	0.00018	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Dichlorobromomethane	0.00082	U	0.00082	0.00021	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Dichlorodifluoromethane	0.00082	U	0.00082	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Ethylbenzene	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Ethylene Dibromide	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Isopropylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Methyl tert-butyl ether	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Methylcyclohexane	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Methylene Chloride	0.0016	U	0.0016	0.00094	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
m-Xylene & p-Xylene	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
n-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
N-Propylbenzene	0.00082	U	0.00082	0.00037	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
o-Xylene	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
sec-Butylbenzene	0.00082	U *	0.00082	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Styrene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1

Client Sample ID: 13C3_1-2

Lab Sample ID: 460-323490-19

Date Collected: 04/03/25 09:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00082	U *	0.00082	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Tetrachloroethene	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Toluene	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
trans-1,2-Dichloroethene	0.00082	U	0.00082	0.00020	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
trans-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Trichloroethene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Trichlorofluoromethane	0.00082	U	0.00082	0.00033	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Vinyl chloride	0.00082	U *	0.00082	0.00045	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 10:47	04/11/25 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/06/25 10:47*	*04/11/25 21:37*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:47*	*04/11/25 21:37*	*1*
Dibromofluoromethane (Surr)	*116*		*50 - 150*	*04/06/25 10:47*	*04/11/25 21:37*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:47*	*04/11/25 21:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 13C3_4-5

Lab Sample ID: 460-323490-20

Date Collected: 04/03/25 09:35
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1

Client Sample ID: 13C3_4-5
Date Collected: 04/03/25 09:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-20
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chloroethane	0.0010	U *	0.0010	0.00053	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Methyl acetate	0.0051	U	0.0051	0.0043	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
tert-Butylbenzene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Vinyl chloride	0.0010	U *	0.0010	0.00055	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 10:47	04/11/25 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*04/06/25 10:47*	*04/11/25 22:02*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:47*	*04/11/25 22:02*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:47*	*04/11/25 22:02*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:47*	*04/11/25 22:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.8**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C3_7-8
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-21
Matrix: Solid
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00082	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2,4-Trimethylbenzene	0.0011	U *	0.0011	0.00027	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Benzene	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chlorobromomethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chlorodibromomethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chloroethane	0.0011	U *	0.0011	0.00058	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Ethylbenzene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Ethylene Dibromide	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
N-Propylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
o-Xylene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
sec-Butylbenzene	0.0011	U *	0.0011	0.00032	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1

Client Sample ID: 13C3_7-8

Lab Sample ID: 460-323490-21
Date Collected: 04/03/25 09:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U *	0.0011	0.00031	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Vinyl chloride	0.0011	U *	0.0011	0.00061	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/06/25 10:48	04/11/25 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*04/06/25 10:48*	*04/11/25 22:27*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:48*	*04/11/25 22:27*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 10:48*	*04/11/25 22:27*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 10:48*	*04/11/25 22:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 15A1_2-3

Lab Sample ID: 460-323490-22
Date Collected: 04/03/25 09:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1

Client Sample ID: 15A1_2-3
Date Collected: 04/03/25 09:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-22
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:48	04/12/25 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/06/25 10:48*	*04/12/25 08:01*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 10:48*	*04/12/25 08:01*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 10:48*	*04/12/25 08:01*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:48*	*04/12/25 08:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.6**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15A1_6-7
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-23
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00065	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00075	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00092	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2,4-Trimethylbenzene	0.0012	U *	0.0012	0.00031	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00046	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
2-Hexanone	0.0062	U	0.0062	0.0021	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
4-Methyl-2-pentanone (MIBK)	0.0062	U	0.0062	0.0019	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Acetone	0.0074	U	0.0074	0.0071	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Benzene	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Bromoform	0.0012	U	0.0012	0.00053	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Bromomethane	0.0025	U	0.0025	0.0012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chlorobenzene	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chlorobromomethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chlorodibromomethane	0.0012	U	0.0012	0.00067	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chloroethane	0.0012	U *	0.0012	0.00065	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Chloromethane	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Ethylbenzene	0.0012	U	0.0012	0.00058	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Ethylene Dibromide	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Methyl acetate	0.0062	U	0.0062	0.0053	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Methylcyclohexane	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
N-Propylbenzene	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
o-Xylene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
sec-Butylbenzene	0.0012	U *	0.0012	0.00036	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Styrene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1

Client Sample ID: 15A1_6-7

Lab Sample ID: 460-323490-23

Date Collected: 04/03/25 09:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0012	U *	0.0012	0.00034	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Vinyl chloride	0.0012	U *	0.0012	0.00068	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	04/06/25 10:49	04/11/25 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*04/06/25 10:49*	*04/11/25 23:17*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/06/25 10:49*	*04/11/25 23:17*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*	*04/06/25 10:49*	*04/11/25 23:17*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 10:49*	*04/11/25 23:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.6**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**89.4**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 15A1_7-8

Lab Sample ID: 460-323490-24

Date Collected: 04/03/25 09:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0022	U	0.0022	0.00050	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,1,2,2-Tetrachloroethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0022	U	0.0022	0.00065	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,1,2-Trichloroethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,1-Dichloroethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,1-Dichloroethene	0.0022	U	0.0022	0.00048	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2,3-Trichlorobenzene	0.0022	U	0.0022	0.0016	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2,4-Trichlorobenzene	0.0022	U	0.0022	0.00077	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2,4-Trimethylbenzene	0.0022	U *	0.0022	0.00053	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2-Dibromo-3-Chloropropane	0.0022	U	0.0022	0.00099	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2-Dichlorobenzene	0.0022	U	0.0022	0.00078	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2-Dichloroethane	0.0022	U	0.0022	0.00064	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,2-Dichloropropane	0.0022	U	0.0022	0.00091	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,3,5-Trimethylbenzene	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,3-Dichlorobenzene	0.0022	U	0.0022	0.00079	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
1,4-Dichlorobenzene	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
2-Butanone (MEK)	0.011	U	0.011	0.00079	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
2-Hexanone	0.011	U	0.011	0.0037	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
4-Methyl-2-pentanone (MIBK)	0.011	U	0.011	0.0034	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Acetone	0.013	U	0.013	0.012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Benzene	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Bromoform	0.0022	U	0.0022	0.00092	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Bromomethane	0.0043	U	0.0043	0.0022	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1

Client Sample ID: 15A1_7-8
Date Collected: 04/03/25 09:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-24
Matrix: Solid
Percent Solids: 88.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0022	U	0.0022	0.00057	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Carbon tetrachloride	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chlorobenzene	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chlorobromomethane	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chlorodibromomethane	0.0022	U	0.0022	0.0012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chloroethane	0.0022	U *	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chloroform	0.0022	U	0.0022	0.0021	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Chloromethane	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
cis-1,2-Dichloroethene	0.0022	U	0.0022	0.00077	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
cis-1,3-Dichloropropene	0.0022	U	0.0022	0.00059	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Cyclohexane	0.0022	U	0.0022	0.00048	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Dichlorobromomethane	0.0022	U	0.0022	0.00055	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Dichlorodifluoromethane	0.0022	U	0.0022	0.00073	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Ethylbenzene	0.0022	U	0.0022	0.0010	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Ethylene Dibromide	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Isopropylbenzene	0.0022	U	0.0022	0.00061	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Methyl acetate	0.011	U	0.011	0.0093	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Methyl tert-butyl ether	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Methylcyclohexane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Methylene Chloride	0.0043	U	0.0043	0.0025	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
m-Xylene & p-Xylene	0.0022	U	0.0022	0.00091	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
n-Butylbenzene	0.0022	U	0.0022	0.00063	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
N-Propylbenzene	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
o-Xylene	0.0022	U	0.0022	0.00099	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
sec-Butylbenzene	0.0022	U *	0.0022	0.00062	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Styrene	0.0022	U	0.0022	0.00060	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
tert-Butylbenzene	0.0022	U *	0.0022	0.00059	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Tetrachloroethene	0.0022	U	0.0022	0.00066	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Toluene	0.0022	U	0.0022	0.00050	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
trans-1,2-Dichloroethene	0.0022	U	0.0022	0.00053	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
trans-1,3-Dichloropropene	0.0022	U	0.0022	0.00057	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Trichloroethene	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Trichlorofluoromethane	0.0022	U	0.0022	0.00087	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Vinyl chloride	0.0022	U *	0.0022	0.0012	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1
Xylenes, Total	0.0043	U	0.0043	0.00037	mg/Kg	☼	04/06/25 10:49	04/11/25 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/06/25 10:49*	*04/11/25 23:41*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:49*	*04/11/25 23:41*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:49*	*04/11/25 23:41*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:49*	*04/11/25 23:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**88.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 15A2_1-2
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-25
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2,4-Trimethylbenzene	0.00093	U *	0.00093	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chlorobromomethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chloroethane	0.00093	U *	0.00093	0.00049	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chloroform	0.00093	U	0.00093	0.00091	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Chloromethane	0.00093	U	0.00093	0.00041	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00032	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Methylcyclohexane	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
sec-Butylbenzene	0.00093	U *	0.00093	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1

Client Sample ID: 15A2_1-2

Lab Sample ID: 460-323490-25

Date Collected: 04/03/25 10:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00093	U *	0.00093	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Vinyl chloride	0.00093	U *	0.00093	0.00051	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:50	04/12/25 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 10:50*	*04/12/25 00:06*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:50*	*04/12/25 00:06*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:50*	*04/12/25 00:06*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 10:50*	*04/12/25 00:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 15A2_3-4

Lab Sample ID: 460-323490-26

Date Collected: 04/03/25 10:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00084	U	0.00084	0.00020	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,1,2,2-Tetrachloroethane	0.00084	U	0.00084	0.00044	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,1,2-Trichloroethane	0.00084	U	0.00084	0.00051	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,1-Dichloroethane	0.00084	U	0.00084	0.00050	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,1-Dichloroethene	0.00084	U	0.00084	0.00019	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2,3-Trichlorobenzene	0.00084	U	0.00084	0.00062	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2,4-Trichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2,4-Trimethylbenzene	0.00084	U *	0.00084	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2-Dibromo-3-Chloropropane	0.00084	U	0.00084	0.00039	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2-Dichlorobenzene	0.00084	U	0.00084	0.00030	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2-Dichloroethane	0.00084	U	0.00084	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,2-Dichloropropane	0.00084	U	0.00084	0.00036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,3,5-Trimethylbenzene	0.00084	U	0.00084	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,3-Dichlorobenzene	0.00084	U	0.00084	0.00031	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
1,4-Dichlorobenzene	0.00084	U	0.00084	0.00044	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Acetone	0.0050	U	0.0050	0.0048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Benzene	0.00084	U	0.00084	0.00048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Bromoform	0.00084	U	0.00084	0.00036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Bromomethane	0.0017	U	0.0017	0.00084	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1

Client Sample ID: 15A2_3-4
Date Collected: 04/03/25 10:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-26
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00084	U	0.00084	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Carbon tetrachloride	0.00084	U	0.00084	0.00033	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chlorobenzene	0.00084	U	0.00084	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chlorobromomethane	0.00084	U	0.00084	0.00050	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chlorodibromomethane	0.00084	U	0.00084	0.00045	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chloroethane	0.00084	U *	0.00084	0.00044	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chloroform	0.00084	U	0.00084	0.00082	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Chloromethane	0.00084	U	0.00084	0.00037	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
cis-1,2-Dichloroethene	0.00084	U	0.00084	0.00030	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
cis-1,3-Dichloropropene	0.00084	U	0.00084	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Cyclohexane	0.00084	U	0.00084	0.00019	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Dichlorobromomethane	0.00084	U	0.00084	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Dichlorodifluoromethane	0.00084	U	0.00084	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Ethylbenzene	0.00084	U	0.00084	0.00039	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Ethylene Dibromide	0.00084	U	0.00084	0.00042	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Isopropylbenzene	0.00084	U	0.00084	0.00024	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Methyl tert-butyl ether	0.00084	U	0.00084	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Methylcyclohexane	0.00084	U	0.00084	0.00042	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Methylene Chloride	0.0017	U	0.0017	0.00096	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
m-Xylene & p-Xylene	0.00084	U	0.00084	0.00036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
n-Butylbenzene	0.00084	U	0.00084	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
N-Propylbenzene	0.00084	U	0.00084	0.00038	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
o-Xylene	0.00084	U	0.00084	0.00039	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
sec-Butylbenzene	0.00084	U *	0.00084	0.00024	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Styrene	0.00084	U	0.00084	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
tert-Butylbenzene	0.00084	U *	0.00084	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Tetrachloroethene	0.00084	U	0.00084	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Toluene	0.00084	U	0.00084	0.00020	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
trans-1,2-Dichloroethene	0.00084	U	0.00084	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
trans-1,3-Dichloropropene	0.00084	U	0.00084	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Trichloroethene	0.00084	U	0.00084	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Trichlorofluoromethane	0.00084	U	0.00084	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Vinyl chloride	0.00084	U *	0.00084	0.00046	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 10:50	04/12/25 00:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 10:50*	*04/12/25 00:31*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 10:50*	*04/12/25 00:31*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:50*	*04/12/25 00:31*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:50*	*04/12/25 00:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.4**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 15A3_4-5
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-27
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2,4-Trimethylbenzene	0.00094	U *	0.00094	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chloroethane	0.00094	U *	0.00094	0.00049	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
sec-Butylbenzene	0.00094	U *	0.00094	0.00027	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1

Client Sample ID: 15A3_4-5

Lab Sample ID: 460-323490-27

Date Collected: 04/03/25 10:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U *	0.00094	0.00026	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Vinyl chloride	0.00094	U *	0.00094	0.00051	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:50	04/12/25 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 10:50*	*04/12/25 00:56*	*1*
4-Bromofluorobenzene	*89*		*71 - 128*	*04/06/25 10:50*	*04/12/25 00:56*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 10:50*	*04/12/25 00:56*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 10:50*	*04/12/25 00:56*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 15A3_7-8

Lab Sample ID: 460-323490-28

Date Collected: 04/03/25 10:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00067	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2,4-Trimethylbenzene	0.00090	U *	0.00090	0.00022	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1

Client Sample ID: 15A3_7-8
Date Collected: 04/03/25 10:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-28
Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chloroethane	0.00090	U *	0.00090	0.00047	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chloroform	0.00090	U	0.00090	0.00088	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
n-Butylbenzene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
N-Propylbenzene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
o-Xylene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
sec-Butylbenzene	0.00090	U *	0.00090	0.00026	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
tert-Butylbenzene	0.00090	U *	0.00090	0.00025	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Tetrachloroethene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Vinyl chloride	0.00090	U *	0.00090	0.00049	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 10:51	04/12/25 01:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 10:51*	*04/12/25 01:21*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:51*	*04/12/25 01:21*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 10:51*	*04/12/25 01:21*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:51*	*04/12/25 01:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 15B1_3-4
Date Collected: 04/03/25 10:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-29
Matrix: Solid
Percent Solids: 93.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00076	U	0.00076	0.00018	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,1,2,2-Tetrachloroethane	0.00076	U	0.00076	0.00040	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,1,2-Trichloroethane	0.00076	U	0.00076	0.00046	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,1-Dichloroethane	0.00076	U	0.00076	0.00045	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,1-Dichloroethene	0.00076	U	0.00076	0.00017	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2,3-Trichlorobenzene	0.00076	U	0.00076	0.00056	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2,4-Trichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2,4-Trimethylbenzene	0.00076	U *	0.00076	0.00019	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2-Dibromo-3-Chloropropane	0.00076	U	0.00076	0.00035	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2-Dichlorobenzene	0.00076	U	0.00076	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2-Dichloroethane	0.00076	U	0.00076	0.00023	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,2-Dichloropropane	0.00076	U	0.00076	0.00032	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,3,5-Trimethylbenzene	0.00076	U	0.00076	0.00024	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,3-Dichlorobenzene	0.00076	U	0.00076	0.00028	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
1,4-Dichlorobenzene	0.00076	U	0.00076	0.00039	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
2-Butanone (MEK)	0.0038	U	0.0038	0.00028	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
2-Hexanone	0.0038	U	0.0038	0.0013	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
4-Methyl-2-pentanone (MIBK)	0.0038	U	0.0038	0.0012	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Acetone	0.0046	U	0.0046	0.0043	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Benzene	0.00076	U	0.00076	0.00043	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Bromoform	0.00076	U	0.00076	0.00032	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Bromomethane	0.0015	U	0.0015	0.00076	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Carbon disulfide	0.00076	U	0.00076	0.00020	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Carbon tetrachloride	0.00076	U	0.00076	0.00029	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chlorobenzene	0.00076	U	0.00076	0.00039	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chlorobromomethane	0.00076	U	0.00076	0.00045	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chlorodibromomethane	0.00076	U	0.00076	0.00041	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chloroethane	0.00076	U *	0.00076	0.00040	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chloroform	0.00076	U	0.00076	0.00074	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Chloromethane	0.00076	U	0.00076	0.00033	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
cis-1,2-Dichloroethene	0.00076	U	0.00076	0.00027	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
cis-1,3-Dichloropropene	0.00076	U	0.00076	0.00021	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Cyclohexane	0.00076	U	0.00076	0.00017	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Dichlorobromomethane	0.00076	U	0.00076	0.00020	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Dichlorodifluoromethane	0.00076	U	0.00076	0.00026	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Ethylbenzene	0.00076	U	0.00076	0.00036	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Ethylene Dibromide	0.00076	U	0.00076	0.00038	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Isopropylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Methyl acetate	0.0038	U	0.0038	0.0033	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Methyl tert-butyl ether	0.00076	U	0.00076	0.00039	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Methylcyclohexane	0.00076	U	0.00076	0.00038	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Methylene Chloride	0.0015	U	0.0015	0.00087	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
m-Xylene & p-Xylene	0.00076	U	0.00076	0.00032	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
n-Butylbenzene	0.00076	U	0.00076	0.00022	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
N-Propylbenzene	0.00076	U	0.00076	0.00034	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
o-Xylene	0.00076	U	0.00076	0.00035	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
sec-Butylbenzene	0.00076	U *	0.00076	0.00022	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Styrene	0.00076	U	0.00076	0.00021	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1

Client Sample ID: 15B1_3-4

Lab Sample ID: 460-323490-29

Date Collected: 04/03/25 10:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00076	U *	0.00076	0.00021	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Tetrachloroethene	0.00076	U	0.00076	0.00023	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Toluene	0.00076	U	0.00076	0.00018	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
trans-1,2-Dichloroethene	0.00076	U	0.00076	0.00019	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
trans-1,3-Dichloropropene	0.00076	U	0.00076	0.00020	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Trichloroethene	0.00076	U	0.00076	0.00024	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Trichlorofluoromethane	0.00076	U	0.00076	0.00031	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Vinyl chloride	0.00076	U *	0.00076	0.00042	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/06/25 10:51	04/12/25 01:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 10:51*	*04/12/25 01:45*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/06/25 10:51*	*04/12/25 01:45*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:51*	*04/12/25 01:45*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:51*	*04/12/25 01:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**93.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 15B1_7-8

Lab Sample ID: 460-323490-30

Date Collected: 04/03/25 10:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2,4-Trimethylbenzene	0.00088	U *	0.00088	0.00022	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1

Client Sample ID: 15B1_7-8
Date Collected: 04/03/25 10:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-30
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chlorobenzene	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chloroethane	0.00088	U *	0.00088	0.00046	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
o-Xylene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
sec-Butylbenzene	0.00088	U *	0.00088	0.00025	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
tert-Butylbenzene	0.00088	U *	0.00088	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Vinyl chloride	0.00088	U *	0.00088	0.00048	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/06/25 10:52	04/12/25 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*65 - 138*	*04/06/25 10:52*	*04/12/25 02:10*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 10:52*	*04/12/25 02:10*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/06/25 10:52*	*04/12/25 02:10*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:52*	*04/12/25 02:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.8		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	91.2		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15B2_1-2
Date Collected: 04/03/25 10:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-31
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,1,2-Trichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,1-Dichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,1-Dichloroethene	0.00082	U	0.00082	0.00018	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2,3-Trichlorobenzene	0.00082	U	0.00082	0.00060	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2,4-Trichlorobenzene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2,4-Trimethylbenzene	0.00082	U *	0.00082	0.00020	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2-Dibromo-3-Chloropropane	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2-Dichloroethane	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,2-Dichloropropane	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,3,5-Trimethylbenzene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,3-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
1,4-Dichlorobenzene	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Benzene	0.00082	U	0.00082	0.00046	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Bromoform	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Bromomethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Carbon disulfide	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Carbon tetrachloride	0.00082	U	0.00082	0.00032	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chlorobenzene	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chlorobromomethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chlorodibromomethane	0.00082	U	0.00082	0.00044	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chloroethane	0.00082	U *	0.00082	0.00043	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chloroform	0.00082	U	0.00082	0.00079	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Chloromethane	0.00082	U	0.00082	0.00036	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
cis-1,2-Dichloroethene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
cis-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Cyclohexane	0.00082	U	0.00082	0.00018	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Dichlorobromomethane	0.00082	U	0.00082	0.00021	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Dichlorodifluoromethane	0.00082	U	0.00082	0.00028	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Ethylbenzene	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Ethylene Dibromide	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Isopropylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Methyl tert-butyl ether	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Methylcyclohexane	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Methylene Chloride	0.0016	U	0.0016	0.00094	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
m-Xylene & p-Xylene	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
n-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
N-Propylbenzene	0.00082	U	0.00082	0.00037	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
o-Xylene	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
sec-Butylbenzene	0.00082	U *	0.00082	0.00024	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Styrene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1

Client Sample ID: 15B2_1-2

Lab Sample ID: 460-323490-31
Date Collected: 04/03/25 10:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00082	U *	0.00082	0.00023	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Tetrachloroethene	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Toluene	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
trans-1,2-Dichloroethene	0.00082	U	0.00082	0.00020	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
trans-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Trichloroethene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Trichlorofluoromethane	0.00082	U	0.00082	0.00033	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Vinyl chloride	0.00082	U *	0.00082	0.00045	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 10:52	04/12/25 02:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*65 - 138*	*04/06/25 10:52*	*04/12/25 02:35*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*04/06/25 10:52*	*04/12/25 02:35*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/06/25 10:52*	*04/12/25 02:35*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/06/25 10:52*	*04/12/25 02:35*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 15B2_3-4

Lab Sample ID: 460-323490-32
Date Collected: 04/03/25 10:35
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0016	U	0.0016	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0016	0.00085	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0016	U	0.0016	0.00049	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,1,2-Trichloroethane	0.0016	U	0.0016	0.00097	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,1-Dichloroethane	0.0016	U	0.0016	0.00097	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,1-Dichloroethene	0.0016	U	0.0016	0.00036	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2,3-Trichlorobenzene	0.0016	U	0.0016	0.0012	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2,4-Trichlorobenzene	0.0016	U	0.0016	0.00058	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2,4-Trimethylbenzene	0.0016	U *	0.0016	0.00040	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.00075	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2-Dichloroethane	0.0016	U	0.0016	0.00048	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,2-Dichloropropane	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,3,5-Trimethylbenzene	0.0016	U	0.0016	0.00051	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,3-Dichlorobenzene	0.0016	U	0.0016	0.00059	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
1,4-Dichlorobenzene	0.0016	U	0.0016	0.00084	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
2-Butanone (MEK)	0.0081	U	0.0081	0.00060	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
2-Hexanone	0.0081	U	0.0081	0.0028	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
4-Methyl-2-pentanone (MIBK)	0.0081	U	0.0081	0.0025	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Acetone	0.0097	U	0.0097	0.0093	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Benzene	0.0016	U	0.0016	0.00092	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Bromoform	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Bromomethane	0.0032	U	0.0032	0.0016	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1

Client Sample ID: 15B2_3-4

Date Collected: 04/03/25 10:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-32

Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0016	U	0.0016	0.00043	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Carbon tetrachloride	0.0016	U	0.0016	0.00063	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chlorobenzene	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chlorobromomethane	0.0016	U	0.0016	0.00097	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chlorodibromomethane	0.0016	U	0.0016	0.00087	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chloroethane	0.0016	U *	0.0016	0.00085	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chloroform	0.0016	U	0.0016	0.0016	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Chloromethane	0.0016	U	0.0016	0.00071	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
cis-1,2-Dichloroethene	0.0016	U	0.0016	0.00058	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
cis-1,3-Dichloropropene	0.0016	U	0.0016	0.00044	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Cyclohexane	0.0016	U	0.0016	0.00036	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Dichlorobromomethane	0.0016	U	0.0016	0.00042	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Dichlorodifluoromethane	0.0016	U	0.0016	0.00055	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Ethylbenzene	0.0016	U	0.0016	0.00076	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Ethylene Dibromide	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Isopropylbenzene	0.0016	U	0.0016	0.00046	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Methyl acetate	0.0081	U	0.0081	0.0070	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Methyl tert-butyl ether	0.0016	U	0.0016	0.00083	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Methylcyclohexane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Methylene Chloride	**0.0019**	**J**	0.0032	0.0019	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
m-Xylene & p-Xylene	0.0016	U	0.0016	0.00069	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
n-Butylbenzene	0.0016	U	0.0016	0.00048	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
N-Propylbenzene	0.0016	U	0.0016	0.00073	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
o-Xylene	0.0016	U	0.0016	0.00075	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
sec-Butylbenzene	0.0016	U *	0.0016	0.00047	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Styrene	0.0016	U	0.0016	0.00045	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
tert-Butylbenzene	0.0016	U *	0.0016	0.00045	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Tetrachloroethene	0.0016	U	0.0016	0.00049	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Toluene	0.0016	U	0.0016	0.00038	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
trans-1,2-Dichloroethene	0.0016	U	0.0016	0.00040	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
trans-1,3-Dichloropropene	0.0016	U	0.0016	0.00043	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Trichloroethene	0.0016	U	0.0016	0.00052	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Trichlorofluoromethane	0.0016	U	0.0016	0.00066	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Vinyl chloride	0.0016	U *	0.0016	0.00089	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1
Xylenes, Total	0.0032	U	0.0032	0.00028	mg/Kg	☼	04/06/25 10:52	04/12/25 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 10:52*	*04/12/25 03:00*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:52*	*04/12/25 03:00*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 10:52*	*04/12/25 03:00*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:52*	*04/12/25 03:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15B2_6-7
Date Collected: 04/03/25 10:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-33
Matrix: Solid
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00072	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00071	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00088	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2,4-Trimethylbenzene	0.0012	U *	0.0012	0.00029	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
2-Butanone (MEK)	0.0060	U	0.0060	0.00044	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
2-Hexanone	0.0060	U	0.0060	0.0020	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
4-Methyl-2-pentanone (MIBK)	0.0060	U	0.0060	0.0019	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Acetone	0.0072	U	0.0072	0.0068	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Benzene	0.0012	U	0.0012	0.00068	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Bromoform	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Bromomethane	0.0024	U	0.0024	0.0012	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Carbon disulfide	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Carbon tetrachloride	0.0012	U	0.0012	0.00046	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chlorobenzene	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chlorobromomethane	0.0012	U	0.0012	0.00071	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chlorodibromomethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chloroethane	0.0012	U *	0.0012	0.00062	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Chloromethane	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Dichlorobromomethane	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Ethylbenzene	0.0012	U	0.0012	0.00056	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Ethylene Dibromide	0.0012	U	0.0012	0.00060	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Isopropylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Methyl acetate	0.0060	U	0.0060	0.0051	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Methylcyclohexane	0.0012	U	0.0012	0.00060	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Methylene Chloride	0.0024	U	0.0024	0.0014	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
n-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
N-Propylbenzene	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
o-Xylene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
sec-Butylbenzene	0.0012	U *	0.0012	0.00034	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1

Client Sample ID: 15B2_6-7

Lab Sample ID: 460-323490-33
Date Collected: 04/03/25 10:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0012	U *	0.0012	0.00033	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Toluene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00048	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Vinyl chloride	0.0012	U *	0.0012	0.00065	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1
Xylenes, Total	0.0024	U	0.0024	0.00021	mg/Kg	☼	04/06/25 10:53	04/12/25 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 10:53*	*04/12/25 03:25*	*1*
4-Bromofluorobenzene	*90*		*71 - 128*	*04/06/25 10:53*	*04/12/25 03:25*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 10:53*	*04/12/25 03:25*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:53*	*04/12/25 03:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.0**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**92.0**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 15B3_0-1

Lab Sample ID: 460-323490-34
Date Collected: 04/03/25 10:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00073	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2,4-Trimethylbenzene	0.00099	U *	0.00099	0.00024	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Acetone	0.0059	U	0.0059	0.0056	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1

Client Sample ID: 15B3_0-1
Date Collected: 04/03/25 10:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-34
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chlorobenzene	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chlorobromomethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chlorodibromomethane	0.00099	U	0.00099	0.00053	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chloroethane	0.00099	U *	0.00099	0.00052	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chloroform	0.00099	U	0.00099	0.00096	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00035	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Dichlorobromomethane	0.00099	U	0.00099	0.00025	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00033	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Ethylbenzene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Ethylene Dibromide	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Methyl acetate	0.0049	U	0.0049	0.0042	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Methylcyclohexane	0.00099	U	0.00099	0.00049	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
N-Propylbenzene	0.00099	U	0.00099	0.00044	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
o-Xylene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
sec-Butylbenzene	0.00099	U *	0.00099	0.00028	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Styrene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
tert-Butylbenzene	0.00099	U *	0.00099	0.00027	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Vinyl chloride	0.00099	U *	0.00099	0.00054	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/06/25 10:53	04/12/25 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/06/25 10:53*	*04/12/25 03:50*	*1*
4-Bromofluorobenzene	*88*		*71 - 128*	*04/06/25 10:53*	*04/12/25 03:50*	*1*
Dibromofluoromethane (Surr)	*115*		*50 - 150*	*04/06/25 10:53*	*04/12/25 03:50*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 10:53*	*04/12/25 03:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	5.9		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	94.1		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15B3_3-4
Date Collected: 04/03/25 10:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-35
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00057	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00070	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chlorodibromomethane	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1

Client Sample ID: 15B3_3-4

Lab Sample ID: 460-323490-35

Date Collected: 04/03/25 10:50

Matrix: Solid

Date Received: 04/04/25 16:30

Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 10:54	04/12/25 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*04/06/25 10:54*	*04/12/25 14:41*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 10:54*	*04/12/25 14:41*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:54*	*04/12/25 14:41*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 10:54*	*04/12/25 14:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.1**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.9**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17A1_2-3

Lab Sample ID: 460-323490-36

Date Collected: 04/03/25 10:55

Matrix: Solid

Date Received: 04/04/25 16:30

Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,1,2,2-Tetrachloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,1,2-Trichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,1-Dichloroethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,1-Dichloroethene	0.00087	U	0.00087	0.00019	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2,3-Trichlorobenzene	0.00087	U	0.00087	0.00064	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2,4-Trichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2,4-Trimethylbenzene	0.00087	U	0.00087	0.00021	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2-Dibromo-3-Chloropropane	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2-Dichlorobenzene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2-Dichloroethane	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,2-Dichloropropane	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,3,5-Trimethylbenzene	0.00087	U	0.00087	0.00027	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,3-Dichlorobenzene	0.00087	U	0.00087	0.00032	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
1,4-Dichlorobenzene	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Acetone	0.0052	U	0.0052	0.0050	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Benzene	0.00087	U	0.00087	0.00049	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Bromoform	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Bromomethane	0.0017	U	0.0017	0.00087	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1

Client Sample ID: 17A1_2-3
Date Collected: 04/03/25 10:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-36
Matrix: Solid
Percent Solids: 90.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Carbon tetrachloride	0.00087	U	0.00087	0.00034	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chlorobenzene	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chlorobromomethane	0.00087	U	0.00087	0.00052	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chlorodibromomethane	0.00087	U	0.00087	0.00047	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chloroethane	0.00087	U	0.00087	0.00045	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chloroform	0.00087	U	0.00087	0.00084	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Chloromethane	0.00087	U	0.00087	0.00038	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
cis-1,2-Dichloroethene	0.00087	U	0.00087	0.00031	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
cis-1,3-Dichloropropene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Cyclohexane	0.00087	U	0.00087	0.00019	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Dichlorobromomethane	0.00087	U	0.00087	0.00022	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Dichlorodifluoromethane	0.00087	U	0.00087	0.00029	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Ethylbenzene	0.00087	U	0.00087	0.00041	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Ethylene Dibromide	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Isopropylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Methyl tert-butyl ether	0.00087	U	0.00087	0.00044	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Methylcyclohexane	0.00087	U	0.00087	0.00043	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
m-Xylene & p-Xylene	0.00087	U	0.00087	0.00037	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
n-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
N-Propylbenzene	0.00087	U	0.00087	0.00039	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
o-Xylene	0.00087	U	0.00087	0.00040	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
sec-Butylbenzene	0.00087	U	0.00087	0.00025	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Styrene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
tert-Butylbenzene	0.00087	U	0.00087	0.00024	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Tetrachloroethene	0.00087	U	0.00087	0.00026	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Toluene	0.00087	U	0.00087	0.00020	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
trans-1,2-Dichloroethene	0.00087	U	0.00087	0.00021	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
trans-1,3-Dichloropropene	0.00087	U	0.00087	0.00023	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Trichloroethene	0.00087	U	0.00087	0.00028	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Trichlorofluoromethane	0.00087	U	0.00087	0.00035	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Vinyl chloride	0.00087	U	0.00087	0.00047	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 10:54	04/12/25 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 10:54*	*04/12/25 15:06*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/06/25 10:54*	*04/12/25 15:06*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 10:54*	*04/12/25 15:06*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 10:54*	*04/12/25 15:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.3**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A1_7-8
Date Collected: 04/03/25 11:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-37
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chlorobromomethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chlorodibromomethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
o-Xylene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1

Client Sample ID: 17A1_7-8

Lab Sample ID: 460-323490-37

Date Collected: 04/03/25 11:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/06/25 10:55	04/12/25 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/06/25 10:55*	*04/12/25 13:03*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/06/25 10:55*	*04/12/25 13:03*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*04/06/25 10:55*	*04/12/25 13:03*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 10:55*	*04/12/25 13:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 17A1_3-4

Lab Sample ID: 460-323490-38

Date Collected: 04/03/25 11:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00078	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0016	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Benzene	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1

Client Sample ID: 17A1_3-4
Date Collected: 04/03/25 11:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-38
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chlorobromomethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chlorodibromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Ethylene Dibromide	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
o-Xylene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Styrene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/06/25 10:55	04/12/25 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/06/25 10:55*	*04/12/25 13:26*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 10:55*	*04/12/25 13:26*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*04/06/25 10:55*	*04/12/25 13:26*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/06/25 10:55*	*04/12/25 13:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.4**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A2_6-7
Date Collected: 04/03/25 11:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-39
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00095	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
2-Butanone (MEK)	0.0064	U	0.0064	0.00047	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
2-Hexanone	0.0064	U	0.0064	0.0022	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
4-Methyl-2-pentanone (MIBK)	0.0064	U	0.0064	0.0020	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Acetone	0.0077	U	0.0077	0.0073	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Benzene	0.0013	U	0.0013	0.00073	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chlorobenzene	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chlorobromomethane	0.0013	U	0.0013	0.00077	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chlorodibromomethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chloroethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Chloromethane	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Ethylbenzene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Ethylene Dibromide	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Methyl acetate	0.0064	U	0.0064	0.0055	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Methylcyclohexane	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
N-Propylbenzene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
o-Xylene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1

Client Sample ID: 17A2_6-7

Lab Sample ID: 460-323490-39
Date Collected: 04/03/25 11:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00052	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Vinyl chloride	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1
Xylenes, Total	0.0026	U	0.0026	0.00022	mg/Kg	☼	04/06/25 10:55	04/12/25 13:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 10:55*	*04/12/25 13:50*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 10:55*	*04/12/25 13:50*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 10:55*	*04/12/25 13:50*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 10:55*	*04/12/25 13:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.1**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**87.9**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17A2_7-8

Lab Sample ID: 460-323490-40
Date Collected: 04/03/25 11:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00026	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00086	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00049	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00043	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
2-Butanone (MEK)	0.0058	U	0.0058	0.00043	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
2-Hexanone	0.0058	U	0.0058	0.0020	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
4-Methyl-2-pentanone (MIBK)	0.0058	U	0.0058	0.0018	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Acetone	0.0070	U	0.0070	0.0067	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Benzene	0.0012	U	0.0012	0.00066	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Bromoform	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Bromomethane	0.0023	U	0.0023	0.0012	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1

Client Sample ID: 17A2_7-8
Date Collected: 04/03/25 11:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-40
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Carbon tetrachloride	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chlorobenzene	0.0012	U	0.0012	0.00059	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chlorobromomethane	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chlorodibromomethane	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chloroethane	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chloroform	0.0012	U	0.0012	0.0011	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Chloromethane	0.0012	U	0.0012	0.00051	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Cyclohexane	0.0012	U	0.0012	0.00026	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Dichlorobromomethane	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00040	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Ethylbenzene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Ethylene Dibromide	0.0012	U	0.0012	0.00059	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Isopropylbenzene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Methyl acetate	0.0058	U	0.0058	0.0050	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00060	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Methylcyclohexane	0.0012	U	0.0012	0.00058	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00049	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
n-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
N-Propylbenzene	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
o-Xylene	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
sec-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Styrene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
tert-Butylbenzene	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Tetrachloroethene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Toluene	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00031	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Trichloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00047	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Vinyl chloride	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	04/06/25 10:56	04/12/25 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/06/25 10:56*	*04/12/25 14:13*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/06/25 10:56*	*04/12/25 14:13*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*04/06/25 10:56*	*04/12/25 14:13*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/06/25 10:56*	*04/12/25 14:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.8		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	89.2		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A3_2-3
Date Collected: 04/03/25 11:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-41
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00092	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00046	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
2-Hexanone	0.0063	U	0.0063	0.0021	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0019	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Acetone	0.0075	U	0.0075	0.0072	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Benzene	0.0013	U	0.0013	0.00071	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Bromoform	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Carbon disulfide	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Carbon tetrachloride	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chlorobenzene	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chlorobromomethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chlorodibromomethane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chloroethane	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Chloromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Ethylbenzene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Ethylene Dibromide	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Methylcyclohexane	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
N-Propylbenzene	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
o-Xylene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1

Client Sample ID: 17A3_2-3

Lab Sample ID: 460-323490-41

Date Collected: 04/03/25 11:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Tetrachloroethene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Toluene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Trichloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Vinyl chloride	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	04/06/25 10:56	04/12/25 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*04/06/25 10:56*	*04/12/25 14:37*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 10:56*	*04/12/25 14:37*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 10:56*	*04/12/25 14:37*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/06/25 10:56*	*04/12/25 14:37*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.1**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.9**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17A3_5-6

Lab Sample ID: 460-323490-42

Date Collected: 04/03/25 11:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00079	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00097	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00048	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
2-Hexanone	0.0066	U	0.0066	0.0022	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0020	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Acetone	0.0079	U	0.0079	0.0075	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Benzene	0.0013	U	0.0013	0.00074	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A3_5-6
Date Collected: 04/03/25 11:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-42
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chlorobenzene	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chlorobromomethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chlorodibromomethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Ethylbenzene	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Ethylene Dibromide	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Methyl acetate	0.0066	U	0.0066	0.0056	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
N-Propylbenzene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
o-Xylene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
sec-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	04/06/25 10:57	04/12/25 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/06/25 10:57*	*04/12/25 15:24*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 10:57*	*04/12/25 15:24*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 10:57*	*04/12/25 15:24*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 10:57*	*04/12/25 15:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.7**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17B1_2-3
Date Collected: 04/03/25 11:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-43
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0026	U	0.0026	0.00060	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,1,2,2-Tetrachloroethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0026	U	0.0026	0.00078	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,1,2-Trichloroethane	0.0026	U	0.0026	0.0016	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,1-Dichloroethane	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,1-Dichloroethene	0.0026	U	0.0026	0.00058	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2,3-Trichlorobenzene	0.0026	U	0.0026	0.0019	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2,4-Trichlorobenzene	0.0026	U	0.0026	0.00092	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2,4-Trimethylbenzene	0.0026	U	0.0026	0.00063	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2-Dibromo-3-Chloropropane	0.0026	U	0.0026	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2-Dichlorobenzene	0.0026	U	0.0026	0.00093	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2-Dichloroethane	0.0026	U	0.0026	0.00076	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,2-Dichloropropane	0.0026	U	0.0026	0.0011	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,3,5-Trimethylbenzene	0.0026	U	0.0026	0.00081	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,3-Dichlorobenzene	0.0026	U	0.0026	0.00094	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
1,4-Dichlorobenzene	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
2-Butanone (MEK)	0.013	U	0.013	0.00095	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
2-Hexanone	0.013	U	0.013	0.0044	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
4-Methyl-2-pentanone (MIBK)	0.013	U	0.013	0.0040	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Acetone	0.015	U	0.015	0.015	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Benzene	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Bromoform	0.0026	U	0.0026	0.0011	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Bromomethane	0.0052	U	0.0052	0.0026	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Carbon disulfide	0.0026	U	0.0026	0.00069	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Carbon tetrachloride	0.0026	U	0.0026	0.0010	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chlorobenzene	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chlorobromomethane	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chlorodibromomethane	0.0026	U	0.0026	0.0014	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chloroethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chloroform	0.0026	U	0.0026	0.0025	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Chloromethane	0.0026	U	0.0026	0.0011	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
cis-1,2-Dichloroethene	0.0026	U	0.0026	0.00092	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
cis-1,3-Dichloropropene	0.0026	U	0.0026	0.00070	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Cyclohexane	0.0026	U	0.0026	0.00057	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Dichlorobromomethane	0.0026	U	0.0026	0.00066	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Dichlorodifluoromethane	0.0026	U	0.0026	0.00087	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Ethylbenzene	0.0026	U	0.0026	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Ethylene Dibromide	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Isopropylbenzene	0.0026	U	0.0026	0.00074	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Methyl acetate	0.013	U	0.013	0.011	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Methyl tert-butyl ether	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Methylcyclohexane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Methylene Chloride	0.0052	U	0.0052	0.0030	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
m-Xylene & p-Xylene	0.0026	U	0.0026	0.0011	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
n-Butylbenzene	0.0026	U	0.0026	0.00076	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
N-Propylbenzene	0.0026	U	0.0026	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
o-Xylene	0.0026	U	0.0026	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
sec-Butylbenzene	0.0026	U	0.0026	0.00074	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Styrene	0.0026	U	0.0026	0.00072	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1

Client Sample ID: 17B1_2-3

Lab Sample ID: 460-323490-43

Date Collected: 04/03/25 11:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0026	U	0.0026	0.00071	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Tetrachloroethene	0.0026	U	0.0026	0.00079	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Toluene	0.0026	U	0.0026	0.00060	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
trans-1,2-Dichloroethene	0.0026	U	0.0026	0.00063	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
trans-1,3-Dichloropropene	0.0026	U	0.0026	0.00069	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Trichloroethene	0.0026	U	0.0026	0.00083	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Trichlorofluoromethane	0.0026	U	0.0026	0.0010	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Vinyl chloride	0.0026	U	0.0026	0.0014	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1
Xylenes, Total	0.0052	U	0.0052	0.00045	mg/Kg	☼	04/06/25 10:57	04/12/25 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/06/25 10:57*	*04/12/25 15:01*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 10:57*	*04/12/25 15:01*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 10:57*	*04/12/25 15:01*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 10:57*	*04/12/25 15:01*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.8**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 17B1_5-6

Lab Sample ID: 460-323490-44

Date Collected: 04/03/25 11:35
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00091	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00045	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
2-Hexanone	0.0062	U	0.0062	0.0021	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
4-Methyl-2-pentanone (MIBK)	0.0062	U	0.0062	0.0019	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Acetone	0.0074	U	0.0074	0.0070	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Benzene	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Bromomethane	0.0025	U	0.0025	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17B1_5-6
Date Collected: 04/03/25 11:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-44
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chlorobromomethane	0.0012	U	0.0012	0.00073	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chlorodibromomethane	0.0012	U	0.0012	0.00066	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Chloromethane	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Ethylbenzene	0.0012	U	0.0012	0.00058	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Ethylene Dibromide	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Methyl acetate	0.0062	U	0.0062	0.0053	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Methylcyclohexane	0.0012	U	0.0012	0.00061	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Methylene Chloride	0.0025	U	0.0025	0.0014	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
N-Propylbenzene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
o-Xylene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1
Xylenes, Total	0.0025	U	0.0025	0.00021	mg/Kg	☼	04/06/25 10:57	04/12/25 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/06/25 10:57*	*04/12/25 15:48*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/06/25 10:57*	*04/12/25 15:48*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/06/25 10:57*	*04/12/25 15:48*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/06/25 10:57*	*04/12/25 15:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.3		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	90.7		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17B2_0-1
Date Collected: 04/03/25 11:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-45
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00080	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00079	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00098	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2,4-Trimethylbenzene	0.0013	U *	0.0013	0.00033	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
2-Butanone (MEK)	0.0066	U	0.0066	0.00049	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
2-Hexanone	0.0066	U	0.0066	0.0023	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.0066	0.0021	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Acetone	0.0079	U	0.0079	0.0076	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Benzene	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Bromoform	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Carbon tetrachloride	0.0013	U	0.0013	0.00051	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chlorobenzene	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chlorobromomethane	0.0013	U	0.0013	0.00079	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chlorodibromomethane	0.0013	U	0.0013	0.00071	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chloroethane	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Ethylbenzene	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Ethylene Dibromide	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Methyl acetate	0.0066	U	0.0066	0.0057	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Methylcyclohexane	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
m-Xylene & p-Xylene	0.0013	U *	0.0013	0.00056	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
N-Propylbenzene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
o-Xylene	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
sec-Butylbenzene	0.0013	U *	0.0013	0.00038	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1

Client Sample ID: 17B2_0-1

Lab Sample ID: 460-323490-45

Date Collected: 04/03/25 11:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U *	0.0013	0.00037	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Vinyl chloride	0.0013	U	0.0013	0.00072	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	04/06/25 10:58	04/12/25 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/06/25 10:58*	*04/12/25 19:19*	*1*
4-Bromofluorobenzene	*85*		*71 - 128*	*04/06/25 10:58*	*04/12/25 19:19*	*1*
Dibromofluoromethane (Surr)	*107*		*50 - 150*	*04/06/25 10:58*	*04/12/25 19:19*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 10:58*	*04/12/25 19:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 17B2_5-6

Lab Sample ID: 460-323490-46

Date Collected: 04/03/25 11:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0020	U	0.0020	0.00047	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,1,2,2-Tetrachloroethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0020	U	0.0020	0.00060	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,1,2-Trichloroethane	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,1-Dichloroethane	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,1-Dichloroethene	0.0020	U	0.0020	0.00045	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2,3-Trichlorobenzene	0.0020	U	0.0020	0.0015	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2,4-Trichlorobenzene	0.0020	U	0.0020	0.00072	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2,4-Trimethylbenzene	0.0020	U *	0.0020	0.00049	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2-Dibromo-3-Chloropropane	0.0020	U	0.0020	0.00092	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2-Dichlorobenzene	0.0020	U	0.0020	0.00072	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2-Dichloroethane	0.0020	U	0.0020	0.00059	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,2-Dichloropropane	0.0020	U	0.0020	0.00085	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,3,5-Trimethylbenzene	0.0020	U	0.0020	0.00063	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,3-Dichlorobenzene	0.0020	U	0.0020	0.00073	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
1,4-Dichlorobenzene	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
2-Butanone (MEK)	0.010	U	0.010	0.00074	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
2-Hexanone	0.010	U	0.010	0.0034	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
4-Methyl-2-pentanone (MIBK)	0.010	U	0.010	0.0031	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Acetone	0.012	U	0.012	0.011	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Benzene	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Bromoform	0.0020	U	0.0020	0.00085	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Bromomethane	0.0040	U	0.0040	0.0020	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1

Client Sample ID: 17B2_5-6

Date Collected: 04/03/25 11:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-46

Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0020	U	0.0020	0.00053	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Carbon tetrachloride	0.0020	U	0.0020	0.00077	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chlorobenzene	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chlorobromomethane	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chlorodibromomethane	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chloroethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chloroform	0.0020	U	0.0020	0.0019	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Chloromethane	0.0020	U	0.0020	0.00087	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
cis-1,2-Dichloroethene	0.0020	U	0.0020	0.00072	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
cis-1,3-Dichloropropene	0.0020	U	0.0020	0.00055	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Cyclohexane	0.0020	U	0.0020	0.00044	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Dichlorobromomethane	0.0020	U	0.0020	0.00051	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Dichlorodifluoromethane	0.0020	U	0.0020	0.00068	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Ethylbenzene	0.0020	U	0.0020	0.00094	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Ethylene Dibromide	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Isopropylbenzene	0.0020	U	0.0020	0.00057	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Methyl acetate	0.010	U	0.010	0.0086	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Methyl tert-butyl ether	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Methylcyclohexane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Methylene Chloride	0.0040	U	0.0040	0.0023	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
m-Xylene & p-Xylene	0.0020	U *	0.0020	0.00085	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
n-Butylbenzene	0.0020	U	0.0020	0.00059	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
N-Propylbenzene	0.0020	U	0.0020	0.00090	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
o-Xylene	0.0020	U	0.0020	0.00092	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
sec-Butylbenzene	0.0020	U *	0.0020	0.00058	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Styrene	0.0020	U	0.0020	0.00056	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
tert-Butylbenzene	0.0020	U *	0.0020	0.00055	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Tetrachloroethene	0.0020	U	0.0020	0.00061	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Toluene	0.0020	U	0.0020	0.00047	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
trans-1,2-Dichloroethene	0.0020	U	0.0020	0.00049	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
trans-1,3-Dichloropropene	0.0020	U	0.0020	0.00053	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Trichloroethene	0.0020	U	0.0020	0.00064	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Trichlorofluoromethane	0.0020	U	0.0020	0.00081	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Vinyl chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1
Xylenes, Total	0.0040	U	0.0040	0.00035	mg/Kg	☼	04/06/25 10:58	04/12/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/06/25 10:58*	*04/12/25 19:44*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/06/25 10:58*	*04/12/25 19:44*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 10:58*	*04/12/25 19:44*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*04/06/25 10:58*	*04/12/25 19:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.8		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	91.2		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17B3_3-4
Date Collected: 04/03/25 11:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-47
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00025	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
m-Xylene & p-Xylene	0.0010	U *	0.0010	0.00043	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1

Client Sample ID: 17B3_3-4

Lab Sample ID: 460-323490-47

Date Collected: 04/03/25 11:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 10:59	04/12/25 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*	*04/06/25 10:59*	*04/12/25 20:09*	*1*
4-Bromofluorobenzene	*96*		*71 - 128*	*04/06/25 10:59*	*04/12/25 20:09*	*1*
Dibromofluoromethane (Surr)	*118*		*50 - 150*	*04/06/25 10:59*	*04/12/25 20:09*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/06/25 10:59*	*04/12/25 20:09*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17B3_6-7

Lab Sample ID: 460-323490-48

Date Collected: 04/03/25 11:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00080	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00080	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00099	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00049	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
2-Butanone (MEK)	0.0067	U	0.0067	0.00049	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
2-Hexanone	0.0067	U	0.0067	0.0023	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
4-Methyl-2-pentanone (MIBK)	0.0067	U	0.0067	0.0021	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Acetone	0.0080	U	0.0080	0.0076	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Benzene	0.0013	U	0.0013	0.00076	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Bromoform	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Bromomethane	0.0027	U	0.0027	0.0013	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1

Client Sample ID: 17B3_6-7
Date Collected: 04/03/25 11:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-48
Matrix: Solid
Percent Solids: 91.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Carbon tetrachloride	0.0013	U	0.0013	0.00052	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chlorobenzene	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chlorobromomethane	0.0013	U	0.0013	0.00080	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chlorodibromomethane	0.0013	U	0.0013	0.00072	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chloroethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Chloromethane	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Cyclohexane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Dichlorobromomethane	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Ethylbenzene	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Ethylene Dibromide	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Isopropylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Methyl acetate	0.0067	U	0.0067	0.0057	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Methylcyclohexane	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Methylene Chloride	0.0027	U	0.0027	0.0015	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00056	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
n-Butylbenzene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
N-Propylbenzene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
o-Xylene	0.0013	U	0.0013	0.00062	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
sec-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Styrene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
tert-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Tetrachloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Toluene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Trichloroethene	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Vinyl chloride	0.0013	U	0.0013	0.00073	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1
Xylenes, Total	0.0027	U	0.0027	0.00023	mg/Kg	☼	04/06/25 10:59	04/13/25 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*65 - 138*	*04/06/25 10:59*	*04/13/25 07:21*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 10:59*	*04/13/25 07:21*	*1*
Dibromofluoromethane (Surr)	*126*		*50 - 150*	*04/06/25 10:59*	*04/13/25 07:21*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/06/25 10:59*	*04/13/25 07:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.0**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**91.0**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 17B3_7-8
Date Collected: 04/03/25 12:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-49
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Methyl acetate	0.0051	U	0.0051	0.0043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
m-Xylene & p-Xylene	0.0010	U *	0.0010	0.00043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1

Client Sample ID: 17B3_7-8

Lab Sample ID: 460-323490-49

Date Collected: 04/03/25 12:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 11:20	04/12/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/06/25 11:20*	*04/12/25 21:00*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 11:20*	*04/12/25 21:00*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 11:20*	*04/12/25 21:00*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 11:20*	*04/12/25 21:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A1_1-2

Lab Sample ID: 460-323490-50

Date Collected: 04/03/25 13:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,1,2,2-Tetrachloroethane	0.00083	U	0.00083	0.00044	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,1,2-Trichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,1-Dichloroethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,1-Dichloroethene	0.00083	U	0.00083	0.00019	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2,3-Trichlorobenzene	0.00083	U	0.00083	0.00062	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2,4-Trichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2,4-Trimethylbenzene	0.00083	U *	0.00083	0.00021	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2-Dibromo-3-Chloropropane	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2-Dichloroethane	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,2-Dichloropropane	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,3,5-Trimethylbenzene	0.00083	U	0.00083	0.00026	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,3-Dichlorobenzene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
1,4-Dichlorobenzene	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
2-Butanone (MEK)	0.0042	U	0.0042	0.00031	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
2-Hexanone	0.0042	U	0.0042	0.0014	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
4-Methyl-2-pentanone (MIBK)	0.0042	U	0.0042	0.0013	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Acetone	0.0050	U	0.0050	0.0048	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Benzene	0.00083	U	0.00083	0.00047	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Bromoform	0.00083	U	0.00083	0.00035	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Bromomethane	0.0017	U	0.0017	0.00083	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1

Client Sample ID: 18A1_1-2
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-50
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Carbon tetrachloride	0.00083	U	0.00083	0.00032	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chlorobenzene	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chlorobromomethane	0.00083	U	0.00083	0.00050	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chlorodibromomethane	0.00083	U	0.00083	0.00045	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chloroethane	0.00083	U	0.00083	0.00044	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chloroform	0.00083	U	0.00083	0.00081	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Chloromethane	0.00083	U	0.00083	0.00036	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
cis-1,2-Dichloroethene	0.00083	U	0.00083	0.00030	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
cis-1,3-Dichloropropene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Cyclohexane	0.00083	U	0.00083	0.00018	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Dichlorobromomethane	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Dichlorodifluoromethane	0.00083	U	0.00083	0.00028	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Ethylbenzene	0.00083	U	0.00083	0.00039	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Ethylene Dibromide	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Isopropylbenzene	0.00083	U	0.00083	0.00024	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Methyl acetate	0.0042	U	0.0042	0.0036	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Methyl tert-butyl ether	0.00083	U	0.00083	0.00043	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Methylcyclohexane	0.00083	U	0.00083	0.00042	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Methylene Chloride	0.0017	U	0.0017	0.00096	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
m-Xylene & p-Xylene	0.00083	U *	0.00083	0.00035	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
n-Butylbenzene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
N-Propylbenzene	0.00083	U	0.00083	0.00037	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
o-Xylene	0.00083	U	0.00083	0.00038	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
sec-Butylbenzene	0.00083	U *	0.00083	0.00024	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Styrene	0.00083	U	0.00083	0.00023	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
tert-Butylbenzene	0.00083	U *	0.00083	0.00023	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Tetrachloroethene	0.00083	U	0.00083	0.00025	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Toluene	0.00083	U	0.00083	0.00020	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
trans-1,2-Dichloroethene	0.00083	U	0.00083	0.00021	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
trans-1,3-Dichloropropene	0.00083	U	0.00083	0.00022	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Trichloroethene	0.00083	U	0.00083	0.00027	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Trichlorofluoromethane	0.00083	U	0.00083	0.00034	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Vinyl chloride	0.00083	U	0.00083	0.00046	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 11:20	04/12/25 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*	*04/06/25 11:20*	*04/12/25 21:25*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:20*	*04/12/25 21:25*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 11:20*	*04/12/25 21:25*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 11:20*	*04/12/25 21:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A1_4-5
Date Collected: 04/03/25 13:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-51
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00053	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2,4-Trimethylbenzene	0.00090	U *	0.00090	0.00022	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chlorobenzene	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chlorobromomethane	0.00090	U	0.00090	0.00053	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
m-Xylene & p-Xylene	0.00090	U *	0.00090	0.00038	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
sec-Butylbenzene	0.00090	U *	0.00090	0.00026	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1

Client Sample ID: 18A1_4-5

Lab Sample ID: 460-323490-51

Date Collected: 04/03/25 13:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U *	0.00090	0.00025	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00036	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 11:21	04/12/25 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 11:21*	*04/12/25 21:49*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/06/25 11:21*	*04/12/25 21:49*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/06/25 11:21*	*04/12/25 21:49*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*	*04/06/25 11:21*	*04/12/25 21:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A1_7-8

Lab Sample ID: 460-323490-52

Date Collected: 04/03/25 13:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00075	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00025	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00037	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
2-Hexanone	0.0051	U	0.0051	0.0017	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1

Client Sample ID: 18A1_7-8
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-52
Matrix: Solid
Percent Solids: 90.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Methyl acetate	0.0051	U	0.0051	0.0043	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
m-Xylene & p-Xylene	0.0010	U *	0.0010	0.00043	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
tert-Butylbenzene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 11:21	04/12/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*	*04/06/25 11:21*	*04/12/25 22:14*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 11:21*	*04/12/25 22:14*	*1*
Dibromofluoromethane (Surr)	*119*		*50 - 150*	*04/06/25 11:21*	*04/12/25 22:14*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 11:21*	*04/12/25 22:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.4**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18A2_2-3
Date Collected: 04/03/25 13:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-53
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00026	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Acetone	0.0062	U	0.0062	0.0060	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chlorodibromomethane	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
m-Xylene & p-Xylene	0.0010	U *	0.0010	0.00044	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00030	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1

Client Sample ID: 18A2_2-3

Date Collected: 04/03/25 13:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-53
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/06/25 11:22	04/12/25 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:22*	*04/12/25 22:38*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*	*04/06/25 11:22*	*04/12/25 22:38*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/06/25 11:22*	*04/12/25 22:38*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*	*04/06/25 11:22*	*04/12/25 22:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**13.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**86.4**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A2_8-9

Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-54
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00085	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2,4-Trimethylbenzene	0.0014	U *	0.0014	0.00035	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
2-Hexanone	0.0071	U	0.0071	0.0024	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
4-Methyl-2-pentanone (MIBK)	0.0071	U	0.0071	0.0022	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Benzene	0.0014	U	0.0014	0.00080	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1

Client Sample ID: 18A2_8-9
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-54
Matrix: Solid
Percent Solids: 88.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chlorobenzene	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chlorobromomethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chlorodibromomethane	0.0014	U	0.0014	0.00076	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Ethylbenzene	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Ethylene Dibromide	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Methyl acetate	0.0071	U	0.0071	0.0061	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
m-Xylene & p-Xylene	0.0014	U *	0.0014	0.00060	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
N-Propylbenzene	0.0014	U	0.0014	0.00063	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
o-Xylene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
sec-Butylbenzene	0.0014	U *	0.0014	0.00041	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☼	04/06/25 11:22	04/12/25 23:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*65 - 138*	*04/06/25 11:22*	*04/12/25 23:03*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:22*	*04/12/25 23:03*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*	*04/06/25 11:22*	*04/12/25 23:03*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*	*04/06/25 11:22*	*04/12/25 23:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.0**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**88.0**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A3_3-4
Date Collected: 04/03/25 13:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-55
Matrix: Solid
Percent Solids: 85.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2,4-Trimethylbenzene	0.0010	U *	0.0010	0.00025	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Acetone	0.0060	U	0.0060	0.0058	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
m-Xylene & p-Xylene	0.0010	U *	0.0010	0.00043	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
sec-Butylbenzene	0.0010	U *	0.0010	0.00029	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1

Client Sample ID: 18A3_3-4

Lab Sample ID: 460-323490-55

Date Collected: 04/03/25 13:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 85.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U *	0.0010	0.00028	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 11:23	04/12/25 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/06/25 11:23*	*04/12/25 23:28*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*	*04/06/25 11:23*	*04/12/25 23:28*	*1*
Dibromofluoromethane (Surr)	*124*		*50 - 150*	*04/06/25 11:23*	*04/12/25 23:28*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 11:23*	*04/12/25 23:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**14.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**85.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18A3_6-7

Lab Sample ID: 460-323490-56

Date Collected: 04/03/25 13:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2,4-Trimethylbenzene	0.00088	U *	0.00088	0.00022	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1

Client Sample ID: 18A3_6-7
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-56
Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chlorobenzene	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
m-Xylene & p-Xylene	0.00088	U *	0.00088	0.00037	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
o-Xylene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
sec-Butylbenzene	0.00088	U *	0.00088	0.00025	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
tert-Butylbenzene	0.00088	U *	0.00088	0.00024	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Toluene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/06/25 11:23	04/12/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 11:23*	*04/12/25 23:52*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:23*	*04/12/25 23:52*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 11:23*	*04/12/25 23:52*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 11:23*	*04/12/25 23:52*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.1**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18B1_1-2
Date Collected: 04/03/25 13:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-57
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00083	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
2-Butanone (MEK)	0.0070	U	0.0070	0.00051	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
2-Hexanone	0.0070	U	0.0070	0.0024	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
4-Methyl-2-pentanone (MIBK)	0.0070	U	0.0070	0.0022	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Acetone	0.0084	U	0.0084	0.0080	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Benzene	0.0014	U	0.0014	0.00079	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Bromoform	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Carbon disulfide	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Carbon tetrachloride	0.0014	U	0.0014	0.00054	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chlorobenzene	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chlorobromomethane	0.0014	U	0.0014	0.00083	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chlorodibromomethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chloroethane	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Chloromethane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00050	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00047	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Ethylbenzene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Ethylene Dibromide	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Methyl acetate	0.0070	U	0.0070	0.0060	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Methylcyclohexane	0.0014	U	0.0014	0.00070	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Methylene Chloride	0.0028	U	0.0028	0.0016	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00059	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
n-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
N-Propylbenzene	0.0014	U	0.0014	0.00063	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
o-Xylene	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
sec-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1

Client Sample ID: 18B1_1-2

Date Collected: 04/03/25 13:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-57

Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Trichloroethene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00057	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Vinyl chloride	0.0014	U	0.0014	0.00076	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1
Xylenes, Total	0.0028	U	0.0028	0.00024	mg/Kg	☼	04/06/25 11:24	04/12/25 04:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/06/25 11:24*	*04/12/25 04:24*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:24*	*04/12/25 04:24*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/06/25 11:24*	*04/12/25 04:24*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 11:24*	*04/12/25 04:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 18B1_7-8

Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-58

Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00054	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00066	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2,4-Trimethylbenzene	0.00089	U *	0.00089	0.00022	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00033	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Benzene	0.00089	U	0.00089	0.00051	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1

Client Sample ID: 18B1_7-8
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-58
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Carbon tetrachloride	0.00089	U	0.00089	0.00035	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chlorobenzene	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chlorobromomethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chlorodibromomethane	0.00089	U	0.00089	0.00048	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chloroethane	0.00089	U	0.00089	0.00047	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chloroform	0.00089	U	0.00089	0.00087	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Ethylbenzene	0.00089	U	0.00089	0.00042	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Ethylene Dibromide	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Methyl acetate	0.0045	U	0.0045	0.0038	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Methylcyclohexane	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
m-Xylene & p-Xylene	0.00089	U *	0.00089	0.00038	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
N-Propylbenzene	0.00089	U	0.00089	0.00040	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
o-Xylene	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
sec-Butylbenzene	0.00089	U *	0.00089	0.00026	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
tert-Butylbenzene	0.00089	U *	0.00089	0.00025	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 11:24	04/13/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 11:24*	*04/13/25 00:17*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*	*04/06/25 11:24*	*04/13/25 00:17*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/06/25 11:24*	*04/13/25 00:17*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 11:24*	*04/13/25 00:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.3		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	91.7		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18B2_0-1
Date Collected: 04/03/25 13:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-59
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00079	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2,4-Trimethylbenzene	0.0011	U *	0.0011	0.00026	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Benzene	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chlorobromomethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chlorodibromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Ethylene Dibromide	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
m-Xylene & p-Xylene	0.0011	U *	0.0011	0.00045	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
o-Xylene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
sec-Butylbenzene	0.0011	U *	0.0011	0.00031	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1

Client Sample ID: 18B2_0-1

Lab Sample ID: 460-323490-59

Date Collected: 04/03/25 13:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U *	0.0011	0.00029	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1
Xylenes, Total	0.0021	U	0.0021	0.00019	mg/Kg	☼	04/06/25 11:25	04/13/25 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:25*	*04/13/25 00:43*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:25*	*04/13/25 00:43*	*1*
Dibromofluoromethane (Surr)	*124*		*50 - 150*	*04/06/25 11:25*	*04/13/25 00:43*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*	*04/06/25 11:25*	*04/13/25 00:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.8**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18B2_7-8

Lab Sample ID: 460-323490-60

Date Collected: 04/03/25 13:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00083	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0018	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Acetone	0.0068	U	0.0068	0.0064	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Benzene	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1

Client Sample ID: 18B2_7-8
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-60
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chlorobromomethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chlorodibromomethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Ethylene Dibromide	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
N-Propylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
o-Xylene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	04/06/25 11:26	04/12/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/06/25 11:26*	*04/12/25 00:27*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*04/06/25 11:26*	*04/12/25 00:27*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/06/25 11:26*	*04/12/25 00:27*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 11:26*	*04/12/25 00:27*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.6**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**92.4**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18B2_5-6
Date Collected: 04/03/25 13:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-61
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,1,2,2-Tetrachloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,1,2-Trichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,1-Dichloroethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,1-Dichloroethene	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.00063	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2,4-Trichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2,4-Trimethylbenzene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2-Dichloroethane	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,2-Dichloropropane	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,3,5-Trimethylbenzene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,3-Dichlorobenzene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
1,4-Dichlorobenzene	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Acetone	0.0051	U	0.0051	0.0049	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Benzene	0.00085	U	0.00085	0.00048	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Bromoform	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Bromomethane	0.0017	U	0.0017	0.00085	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Carbon disulfide	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Carbon tetrachloride	0.00085	U	0.00085	0.00033	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chlorobenzene	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chlorobromomethane	0.00085	U	0.00085	0.00051	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chlorodibromomethane	0.00085	U	0.00085	0.00046	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chloroethane	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chloroform	0.00085	U	0.00085	0.00083	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Chloromethane	0.00085	U	0.00085	0.00037	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
cis-1,2-Dichloroethene	0.00085	U	0.00085	0.00031	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
cis-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Cyclohexane	0.00085	U	0.00085	0.00019	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Dichlorobromomethane	0.00085	U	0.00085	0.00022	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Dichlorodifluoromethane	0.00085	U	0.00085	0.00029	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Ethylbenzene	0.00085	U	0.00085	0.00040	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Ethylene Dibromide	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Isopropylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Methyl tert-butyl ether	0.00085	U	0.00085	0.00044	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Methylcyclohexane	0.00085	U	0.00085	0.00043	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Methylene Chloride	0.0017	U	0.0017	0.00098	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
m-Xylene & p-Xylene	0.00085	U	0.00085	0.00036	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
n-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
N-Propylbenzene	0.00085	U	0.00085	0.00038	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
o-Xylene	0.00085	U	0.00085	0.00039	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
sec-Butylbenzene	0.00085	U	0.00085	0.00025	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Styrene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1

Client Sample ID: 18B2_5-6

Lab Sample ID: 460-323490-61

Date Collected: 04/03/25 13:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00085	U	0.00085	0.00024	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Tetrachloroethene	0.00085	U	0.00085	0.00026	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Toluene	0.00085	U	0.00085	0.00020	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
trans-1,2-Dichloroethene	0.00085	U	0.00085	0.00021	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
trans-1,3-Dichloropropene	0.00085	U	0.00085	0.00023	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Trichloroethene	0.00085	U	0.00085	0.00027	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Trichlorofluoromethane	0.00085	U	0.00085	0.00035	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Vinyl chloride	0.00085	U	0.00085	0.00047	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 11:26	04/12/25 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/06/25 11:26*	*04/12/25 00:51*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:26*	*04/12/25 00:51*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 11:26*	*04/12/25 00:51*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 11:26*	*04/12/25 00:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18B3_2-3

Lab Sample ID: 460-323490-62

Date Collected: 04/03/25 14:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 86.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00060	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2-Dibromo-3-Chloropropane	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00030	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Benzene	0.00081	U	0.00081	0.00046	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Bromoform	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1

Client Sample ID: 18B3_2-3
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-62
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Carbon tetrachloride	0.00081	U	0.00081	0.00032	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chlorobenzene	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chlorobromomethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chlorodibromomethane	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chloroethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chloroform	0.00081	U	0.00081	0.00079	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00028	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Ethylbenzene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Ethylene Dibromide	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Methylcyclohexane	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Methylene Chloride	0.0016	U	0.0016	0.00093	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
N-Propylbenzene	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
o-Xylene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Styrene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 11:27	04/12/25 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/06/25 11:27*	*04/12/25 01:14*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 11:27*	*04/12/25 01:14*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 11:27*	*04/12/25 01:14*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 11:27*	*04/12/25 01:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.1		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	86.9		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18B3_5-6
Date Collected: 04/03/25 14:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-63
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00096	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00048	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
2-Butanone (MEK)	0.0065	U	0.0065	0.00048	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Acetone	0.0078	U	0.0078	0.0074	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Benzene	0.0013	U	0.0013	0.00074	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chlorobenzene	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chlorobromomethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chlorodibromomethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Ethylbenzene	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Ethylene Dibromide	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
N-Propylbenzene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
o-Xylene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1

Client Sample ID: 18B3_5-6

Lab Sample ID: 460-323490-63

Date Collected: 04/03/25 14:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	04/06/25 11:27	04/12/25 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 11:27*	*04/12/25 01:38*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:27*	*04/12/25 01:38*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 11:27*	*04/12/25 01:38*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 11:27*	*04/12/25 01:38*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18C1_0-1

Lab Sample ID: 460-323490-64

Date Collected: 04/03/25 14:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,1,2,2-Tetrachloroethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,1,2-Trichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,1-Dichloroethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,1-Dichloroethene	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2,3-Trichlorobenzene	0.00081	U	0.00081	0.00060	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2,4-Trichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2,4-Trimethylbenzene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2-Dibromo-3-Chloropropane	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2-Dichlorobenzene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2-Dichloroethane	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,2-Dichloropropane	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,3,5-Trimethylbenzene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,3-Dichlorobenzene	0.00081	U	0.00081	0.00030	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
1,4-Dichlorobenzene	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Benzene	0.00081	U	0.00081	0.00046	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Bromoform	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Bromomethane	0.0016	U	0.0016	0.00081	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1

Client Sample ID: 18C1_0-1
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-64
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Carbon tetrachloride	0.00081	U	0.00081	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chlorobenzene	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chlorobromomethane	0.00081	U	0.00081	0.00049	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chlorodibromomethane	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chloroethane	0.00081	U	0.00081	0.00043	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chloroform	0.00081	U	0.00081	0.00079	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Chloromethane	0.00081	U	0.00081	0.00035	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
cis-1,2-Dichloroethene	0.00081	U	0.00081	0.00029	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
cis-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Cyclohexane	0.00081	U	0.00081	0.00018	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Dichlorobromomethane	0.00081	U	0.00081	0.00021	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Dichlorodifluoromethane	0.00081	U	0.00081	0.00028	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Ethylbenzene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Ethylene Dibromide	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Isopropylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Methyl tert-butyl ether	0.00081	U	0.00081	0.00042	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Methylcyclohexane	0.00081	U	0.00081	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Methylene Chloride	0.0016	U	0.0016	0.00093	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
m-Xylene & p-Xylene	0.00081	U	0.00081	0.00034	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
n-Butylbenzene	0.00081	U	0.00081	0.00024	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
N-Propylbenzene	0.00081	U	0.00081	0.00037	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
o-Xylene	0.00081	U	0.00081	0.00038	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
sec-Butylbenzene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Styrene	0.00081	U	0.00081	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
tert-Butylbenzene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Tetrachloroethene	0.00081	U	0.00081	0.00025	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Toluene	0.00081	U	0.00081	0.00019	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
trans-1,2-Dichloroethene	0.00081	U	0.00081	0.00020	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
trans-1,3-Dichloropropene	0.00081	U	0.00081	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Trichloroethene	0.00081	U	0.00081	0.00026	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Trichlorofluoromethane	0.00081	U	0.00081	0.00033	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Vinyl chloride	0.00081	U	0.00081	0.00044	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 11:28	04/12/25 02:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 11:28*	*04/12/25 02:02*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 11:28*	*04/12/25 02:02*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 11:28*	*04/12/25 02:02*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/06/25 11:28*	*04/12/25 02:02*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			04/07/25 09:13	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18C1_5-6
Date Collected: 04/03/25 14:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-65
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Bromoform	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chlorobromomethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chloroform	0.00088	U	0.00088	0.00086	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Cyclohexane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
N-Propylbenzene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
o-Xylene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Styrene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1

Client Sample ID: 18C1_5-6

Lab Sample ID: 460-323490-65

Date Collected: 04/03/25 14:15

Matrix: Solid

Date Received: 04/04/25 16:30

Percent Solids: 89.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/06/25 11:28	04/12/25 02:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/06/25 11:28*	*04/12/25 02:25*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 11:28*	*04/12/25 02:25*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/06/25 11:28*	*04/12/25 02:25*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 11:28*	*04/12/25 02:25*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.2**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**89.8**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 18C2_3-4

Lab Sample ID: 460-323490-66

Date Collected: 04/03/25 14:20

Matrix: Solid

Date Received: 04/04/25 16:30

Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0015	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Benzene	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1

Client Sample ID: 18C2_3-4
Date Collected: 04/03/25 14:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-66
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chlorobenzene	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chlorodibromomethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
tert-Butylbenzene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/06/25 11:29	04/12/25 02:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/06/25 11:29*	*04/12/25 02:49*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:29*	*04/12/25 02:49*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/06/25 11:29*	*04/12/25 02:49*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/06/25 11:29*	*04/12/25 02:49*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.4**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18C2_6-7
Date Collected: 04/03/25 14:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-67
Matrix: Solid
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Acetone	0.0061	U	0.0061	0.0059	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chloroform	0.0010	U	0.0010	0.00099	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1

Client Sample ID: 18C2_6-7

Lab Sample ID: 460-323490-67

Date Collected: 04/03/25 14:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 11:29	04/12/25 03:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 11:29*	*04/12/25 03:13*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:29*	*04/12/25 03:13*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 11:29*	*04/12/25 03:13*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 11:29*	*04/12/25 03:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18C3_4-5

Lab Sample ID: 460-323490-68

Date Collected: 04/03/25 14:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00096	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
2-Butanone (MEK)	0.0065	U	0.0065	0.00048	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
2-Hexanone	0.0065	U	0.0065	0.0022	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
4-Methyl-2-pentanone (MIBK)	0.0065	U	0.0065	0.0020	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Acetone	0.0078	U	0.0078	0.0074	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Benzene	0.0013	U	0.0013	0.00074	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Bromoform	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Bromomethane	0.0026	U	0.0026	0.0013	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1

Client Sample ID: 18C3_4-5
Date Collected: 04/03/25 14:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-68
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Carbon tetrachloride	0.0013	U	0.0013	0.00050	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chlorobenzene	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chlorobromomethane	0.0013	U	0.0013	0.00078	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chlorodibromomethane	0.0013	U	0.0013	0.00070	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chloroethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Chloromethane	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00047	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Cyclohexane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Dichlorobromomethane	0.0013	U	0.0013	0.00033	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00044	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Ethylbenzene	0.0013	U	0.0013	0.00061	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Ethylene Dibromide	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Isopropylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Methyl acetate	0.0065	U	0.0065	0.0056	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00067	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Methylcyclohexane	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Methylene Chloride	0.0026	U	0.0026	0.0015	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
n-Butylbenzene	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
N-Propylbenzene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
o-Xylene	0.0013	U	0.0013	0.00060	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
sec-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Styrene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
tert-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Tetrachloroethene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Trichloroethene	0.0013	U	0.0013	0.00042	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Vinyl chloride	0.0013	U	0.0013	0.00071	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1
Xylenes, Total	0.0026	U	0.0026	0.00023	mg/Kg	☼	04/06/25 11:30	04/12/25 03:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 11:30*	*04/12/25 03:36*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/06/25 11:30*	*04/12/25 03:36*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/06/25 11:30*	*04/12/25 03:36*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 11:30*	*04/12/25 03:36*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.6		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	89.4		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18C3_7-8
Date Collected: 04/03/25 14:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-69
Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,1,2,2-Tetrachloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,1,2-Trichloroethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,1-Dichloroethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,1-Dichloroethene	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2,3-Trichlorobenzene	0.00089	U	0.00089	0.00066	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2,4-Trichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2,4-Trimethylbenzene	0.00089	U	0.00089	0.00022	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2-Dibromo-3-Chloropropane	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2-Dichloroethane	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,2-Dichloropropane	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,3,5-Trimethylbenzene	0.00089	U	0.00089	0.00028	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,3-Dichlorobenzene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
1,4-Dichlorobenzene	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00033	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Acetone	0.0053	U	0.0053	0.0051	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Benzene	0.00089	U	0.00089	0.00050	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Bromoform	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Bromomethane	0.0018	U	0.0018	0.00089	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Carbon disulfide	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Carbon tetrachloride	0.00089	U	0.00089	0.00034	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chlorobenzene	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chlorobromomethane	0.00089	U	0.00089	0.00053	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chlorodibromomethane	0.00089	U	0.00089	0.00048	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chloroethane	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chloroform	0.00089	U	0.00089	0.00086	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Chloromethane	0.00089	U	0.00089	0.00039	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
cis-1,2-Dichloroethene	0.00089	U	0.00089	0.00032	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
cis-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Cyclohexane	0.00089	U	0.00089	0.00020	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Dichlorobromomethane	0.00089	U	0.00089	0.00023	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Dichlorodifluoromethane	0.00089	U	0.00089	0.00030	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Ethylbenzene	0.00089	U	0.00089	0.00042	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Ethylene Dibromide	0.00089	U	0.00089	0.00045	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Isopropylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Methyl tert-butyl ether	0.00089	U	0.00089	0.00046	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Methylcyclohexane	0.00089	U	0.00089	0.00044	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
m-Xylene & p-Xylene	0.00089	U	0.00089	0.00038	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
n-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
N-Propylbenzene	0.00089	U	0.00089	0.00040	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
o-Xylene	0.00089	U	0.00089	0.00041	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
sec-Butylbenzene	0.00089	U	0.00089	0.00026	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Styrene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1

Client Sample ID: 18C3_7-8

Lab Sample ID: 460-323490-69

Date Collected: 04/03/25 14:35
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00089	U	0.00089	0.00025	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Tetrachloroethene	0.00089	U	0.00089	0.00027	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Toluene	0.00089	U	0.00089	0.00021	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
trans-1,2-Dichloroethene	0.00089	U	0.00089	0.00022	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
trans-1,3-Dichloropropene	0.00089	U	0.00089	0.00024	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Trichloroethene	0.00089	U	0.00089	0.00029	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Trichlorofluoromethane	0.00089	U	0.00089	0.00036	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Vinyl chloride	0.00089	U	0.00089	0.00049	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/06/25 11:31	04/12/25 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/06/25 11:31*	*04/12/25 04:00*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 11:31*	*04/12/25 04:00*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/06/25 11:31*	*04/12/25 04:00*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 11:31*	*04/12/25 04:00*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18C3_9-10

Lab Sample ID: 460-323490-70

Date Collected: 04/03/25 14:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,1,2,2-Tetrachloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,1,2-Trichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,1-Dichloroethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,1-Dichloroethene	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2,3-Trichlorobenzene	0.00082	U	0.00082	0.00061	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2,4-Trichlorobenzene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2,4-Trimethylbenzene	0.00082	U *	0.00082	0.00020	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2-Dibromo-3-Chloropropane	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2-Dichloroethane	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,2-Dichloropropane	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,3,5-Trimethylbenzene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,3-Dichlorobenzene	0.00082	U	0.00082	0.00030	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
1,4-Dichlorobenzene	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
2-Butanone (MEK)	0.0041	U	0.0041	0.00030	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
2-Hexanone	0.0041	U	0.0041	0.0014	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
4-Methyl-2-pentanone (MIBK)	0.0041	U	0.0041	0.0013	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Acetone	0.0049	U	0.0049	0.0047	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Benzene	0.00082	U	0.00082	0.00047	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Bromoform	0.00082	U	0.00082	0.00035	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Bromomethane	0.0016	U	0.0016	0.00082	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1

Client Sample ID: 18C3_9-10
Date Collected: 04/03/25 14:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-70
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Carbon tetrachloride	0.00082	U	0.00082	0.00032	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chlorobenzene	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chlorobromomethane	0.00082	U	0.00082	0.00049	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chlorodibromomethane	0.00082	U	0.00082	0.00044	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chloroethane	0.00082	U	0.00082	0.00043	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chloroform	0.00082	U	0.00082	0.00080	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Chloromethane	0.00082	U	0.00082	0.00036	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
cis-1,2-Dichloroethene	0.00082	U	0.00082	0.00029	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
cis-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Cyclohexane	0.00082	U	0.00082	0.00018	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Dichlorobromomethane	0.00082	U	0.00082	0.00021	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Dichlorodifluoromethane	0.00082	U	0.00082	0.00028	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Ethylbenzene	0.00082	U	0.00082	0.00039	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Ethylene Dibromide	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Isopropylbenzene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Methyl acetate	0.0041	U	0.0041	0.0035	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Methyl tert-butyl ether	0.00082	U	0.00082	0.00042	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Methylcyclohexane	0.00082	U	0.00082	0.00041	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Methylene Chloride	0.0016	U	0.0016	0.00094	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
m-Xylene & p-Xylene	0.00082	U *	0.00082	0.00035	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
n-Butylbenzene	0.00082	U	0.00082	0.00024	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
N-Propylbenzene	0.00082	U	0.00082	0.00037	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
o-Xylene	0.00082	U	0.00082	0.00038	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
sec-Butylbenzene	0.00082	U *	0.00082	0.00024	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Styrene	0.00082	U	0.00082	0.00023	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
tert-Butylbenzene	0.00082	U *	0.00082	0.00023	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Tetrachloroethene	0.00082	U	0.00082	0.00025	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Toluene	0.00082	U	0.00082	0.00019	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
trans-1,2-Dichloroethene	0.00082	U	0.00082	0.00020	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
trans-1,3-Dichloropropene	0.00082	U	0.00082	0.00022	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Trichloroethene	0.00082	U	0.00082	0.00026	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Trichlorofluoromethane	0.00082	U	0.00082	0.00033	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Vinyl chloride	0.00082	U	0.00082	0.00045	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 11:31	04/13/25 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*65 - 138*	*04/06/25 11:31*	*04/13/25 01:08*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*	*04/06/25 11:31*	*04/13/25 01:08*	*1*
Dibromofluoromethane (Surr)	*121*		*50 - 150*	*04/06/25 11:31*	*04/13/25 01:08*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 11:31*	*04/13/25 01:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D1_0-1
Date Collected: 04/03/25 14:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-71
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00066	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00081	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2,4-Trimethylbenzene	0.0011	U *	0.0011	0.00027	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
2-Butanone (MEK)	0.0055	U	0.0055	0.00040	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
2-Hexanone	0.0055	U	0.0055	0.0019	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
4-Methyl-2-pentanone (MIBK)	0.0055	U	0.0055	0.0017	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Acetone	0.0066	U	0.0066	0.0063	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Benzene	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Bromoform	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Carbon disulfide	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Carbon tetrachloride	0.0011	U	0.0011	0.00042	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chlorobenzene	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chlorobromomethane	0.0011	U	0.0011	0.00065	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chlorodibromomethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chloroethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Chloromethane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Dichlorobromomethane	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00037	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Ethylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Ethylene Dibromide	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Isopropylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Methyl acetate	0.0055	U	0.0055	0.0047	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Methylcyclohexane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
m-Xylene & p-Xylene	0.0011	U *	0.0011	0.00046	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
n-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
N-Propylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
o-Xylene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
sec-Butylbenzene	0.0011	U *	0.0011	0.00032	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1

Client Sample ID: 18D1_0-1

Lab Sample ID: 460-323490-71

Date Collected: 04/03/25 14:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U *	0.0011	0.00030	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Trichloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Vinyl chloride	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1
Xylenes, Total	0.0022	U	0.0022	0.00019	mg/Kg	☼	04/06/25 11:32	04/13/25 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:32*	*04/13/25 01:33*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:32*	*04/13/25 01:33*	*1*
Dibromofluoromethane (Surr)	*123*		*50 - 150*	*04/06/25 11:32*	*04/13/25 01:33*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 11:32*	*04/13/25 01:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18D1_6-7

Lab Sample ID: 460-323490-72

Date Collected: 04/03/25 14:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00085	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00085	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0010	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2,4-Trimethylbenzene	0.0014	U *	0.0014	0.00035	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00060	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
2-Butanone (MEK)	0.0071	U	0.0071	0.00052	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
2-Hexanone	0.0071	U	0.0071	0.0024	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
4-Methyl-2-pentanone (MIBK)	0.0071	U	0.0071	0.0022	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Acetone	0.0085	U	0.0085	0.0081	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Benzene	0.0014	U	0.0014	0.00080	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Bromoform	0.0014	U	0.0014	0.00060	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Bromomethane	0.0028	U	0.0028	0.0014	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1

Client Sample ID: 18D1_6-7
Date Collected: 04/03/25 14:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-72
Matrix: Solid
Percent Solids: 91.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Carbon tetrachloride	0.0014	U	0.0014	0.00055	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chlorobenzene	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chlorobromomethane	0.0014	U	0.0014	0.00084	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chlorodibromomethane	0.0014	U	0.0014	0.00076	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chloroethane	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Chloromethane	0.0014	U	0.0014	0.00062	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00051	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Cyclohexane	0.0014	U	0.0014	0.00031	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Dichlorobromomethane	0.0014	U	0.0014	0.00036	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00048	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Ethylbenzene	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Ethylene Dibromide	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Isopropylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Methyl acetate	0.0071	U	0.0071	0.0061	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Methylcyclohexane	0.0014	U	0.0014	0.00071	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Methylene Chloride	**0.0025**	**J**	0.0028	0.0016	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
m-Xylene & p-Xylene	0.0014	U *	0.0014	0.00060	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
N-Propylbenzene	0.0014	U	0.0014	0.00064	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
o-Xylene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
sec-Butylbenzene	0.0014	U *	0.0014	0.00041	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Styrene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
tert-Butylbenzene	0.0014	U *	0.0014	0.00039	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Tetrachloroethene	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Toluene	0.0014	U	0.0014	0.00033	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Vinyl chloride	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1
Xylenes, Total	0.0028	U	0.0028	0.00025	mg/Kg	☼	04/06/25 11:32	04/13/25 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:32*	*04/13/25 01:58*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:32*	*04/13/25 01:58*	*1*
Dibromofluoromethane (Surr)	*124*		*50 - 150*	*04/06/25 11:32*	*04/13/25 01:58*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 11:32*	*04/13/25 01:58*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.1**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D1_8-9
Date Collected: 04/03/25 14:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-73
Matrix: Solid
Percent Solids: 93.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2,4-Trimethylbenzene	0.00093	U *	0.00093	0.00023	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Ethylbenzene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Isopropylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
m-Xylene & p-Xylene	0.00093	U *	0.00093	0.00039	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
sec-Butylbenzene	0.00093	U *	0.00093	0.00027	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1

Client Sample ID: 18D1_8-9

Lab Sample ID: 460-323490-73

Date Collected: 04/03/25 14:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00093	U *	0.00093	0.00026	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 11:33	04/13/25 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*65 - 138*	*04/06/25 11:33*	*04/13/25 02:23*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 11:33*	*04/13/25 02:23*	*1*
Dibromofluoromethane (Surr)	*123*		*50 - 150*	*04/06/25 11:33*	*04/13/25 02:23*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*	*04/06/25 11:33*	*04/13/25 02:23*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**93.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 18D2_1-2

Lab Sample ID: 460-323490-74

Date Collected: 04/03/25 15:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00084	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2,4-Trimethylbenzene	0.0011	U *	0.0011	0.00028	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
2-Butanone (MEK)	0.0057	U	0.0057	0.00042	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
2-Hexanone	0.0057	U	0.0057	0.0019	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
4-Methyl-2-pentanone (MIBK)	0.0057	U	0.0057	0.0018	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Acetone	0.0068	U	0.0068	0.0065	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Benzene	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1

Client Sample ID: 18D2_1-2
Date Collected: 04/03/25 15:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-74
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chlorobenzene	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chlorobromomethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chlorodibromomethane	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Ethylene Dibromide	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Methyl acetate	0.0057	U	0.0057	0.0049	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Methylcyclohexane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Methylene Chloride	0.0023	U	0.0023	0.0013	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
m-Xylene & p-Xylene	0.0011	U *	0.0011	0.00048	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
N-Propylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
o-Xylene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
sec-Butylbenzene	0.0011	U *	0.0011	0.00033	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Styrene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
tert-Butylbenzene	0.0011	U *	0.0011	0.00031	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Tetrachloroethene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Toluene	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	04/06/25 11:33	04/13/25 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:33*	*04/13/25 02:47*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*	*04/06/25 11:33*	*04/13/25 02:47*	*1*
Dibromofluoromethane (Surr)	*124*		*50 - 150*	*04/06/25 11:33*	*04/13/25 02:47*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 11:33*	*04/13/25 02:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.9**		1.0	1.0	%			04/07/25 09:13	1
Percent Solids (EPA Moisture)	**92.1**		1.0	1.0	%			04/07/25 09:13	1

Client Sample ID: 18D2_5-6
Date Collected: 04/03/25 15:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-75
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00078	U	0.00078	0.00018	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,1,2,2-Tetrachloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00078	U	0.00078	0.00024	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,1,2-Trichloroethane	0.00078	U	0.00078	0.00047	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,1-Dichloroethane	0.00078	U	0.00078	0.00047	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,1-Dichloroethene	0.00078	U	0.00078	0.00018	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.00058	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2,4-Trichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2,4-Trimethylbenzene	0.00078	U *	0.00078	0.00019	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2-Dibromo-3-Chloropropane	0.00078	U	0.00078	0.00036	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2-Dichlorobenzene	0.00078	U	0.00078	0.00028	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2-Dichloroethane	0.00078	U	0.00078	0.00023	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,2-Dichloropropane	0.00078	U	0.00078	0.00033	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,3,5-Trimethylbenzene	0.00078	U	0.00078	0.00025	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,3-Dichlorobenzene	0.00078	U	0.00078	0.00029	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
1,4-Dichlorobenzene	0.00078	U	0.00078	0.00041	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00029	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Acetone	0.0047	U	0.0047	0.0045	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Benzene	0.00078	U	0.00078	0.00044	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Bromoform	0.00078	U	0.00078	0.00033	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Bromomethane	0.0016	U	0.0016	0.00078	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Carbon disulfide	0.00078	U	0.00078	0.00021	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Carbon tetrachloride	0.00078	U	0.00078	0.00030	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chlorobenzene	0.00078	U	0.00078	0.00040	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chlorobromomethane	0.00078	U	0.00078	0.00047	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chlorodibromomethane	0.00078	U	0.00078	0.00042	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chloroethane	0.00078	U	0.00078	0.00041	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chloroform	0.00078	U	0.00078	0.00076	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Chloromethane	0.00078	U	0.00078	0.00034	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
cis-1,2-Dichloroethene	0.00078	U	0.00078	0.00028	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
cis-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Cyclohexane	0.00078	U	0.00078	0.00017	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Dichlorobromomethane	0.00078	U	0.00078	0.00020	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Dichlorodifluoromethane	0.00078	U	0.00078	0.00026	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Ethylbenzene	0.00078	U	0.00078	0.00037	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Ethylene Dibromide	0.00078	U	0.00078	0.00039	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Isopropylbenzene	0.00078	U	0.00078	0.00022	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Methyl acetate	0.0039	U	0.0039	0.0034	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Methyl tert-butyl ether	0.00078	U	0.00078	0.00040	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Methylcyclohexane	0.00078	U	0.00078	0.00039	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Methylene Chloride	0.0016	U	0.0016	0.00090	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
m-Xylene & p-Xylene	0.00078	U *	0.00078	0.00033	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
n-Butylbenzene	0.00078	U	0.00078	0.00023	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
N-Propylbenzene	0.00078	U	0.00078	0.00035	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
o-Xylene	0.00078	U	0.00078	0.00036	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
sec-Butylbenzene	0.00078	U *	0.00078	0.00023	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Styrene	0.00078	U	0.00078	0.00022	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1

Client Sample ID: 18D2_5-6

Lab Sample ID: 460-323490-75

Date Collected: 04/03/25 15:05
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00078	U *	0.00078	0.00022	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Tetrachloroethene	0.00078	U	0.00078	0.00024	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Toluene	0.00078	U	0.00078	0.00018	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
trans-1,2-Dichloroethene	0.00078	U	0.00078	0.00019	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
trans-1,3-Dichloropropene	0.00078	U	0.00078	0.00021	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Trichloroethene	0.00078	U	0.00078	0.00025	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Trichlorofluoromethane	0.00078	U	0.00078	0.00032	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Vinyl chloride	0.00078	U	0.00078	0.00043	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1
Xylenes, Total	0.0016	U	0.0016	0.00014	mg/Kg	☼	04/06/25 11:34	04/13/25 03:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*65 - 138*	*04/06/25 11:34*	*04/13/25 03:12*	*1*
4-Bromofluorobenzene	*92*		*71 - 128*	*04/06/25 11:34*	*04/13/25 03:12*	*1*
Dibromofluoromethane (Surr)	*126*		*50 - 150*	*04/06/25 11:34*	*04/13/25 03:12*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 11:34*	*04/13/25 03:12*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 18D3_3-4

Lab Sample ID: 460-323490-76

Date Collected: 04/03/25 15:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1

Client Sample ID: 18D3_3-4
Date Collected: 04/03/25 15:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-76
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chlorobromomethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chloroform	0.00093	U	0.00093	0.00091	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Chloromethane	0.00093	U	0.00093	0.00041	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00032	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Methylcyclohexane	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Tetrachloroethene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 11:34	04/12/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/06/25 11:34*	*04/12/25 19:21*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 11:34*	*04/12/25 19:21*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*	*04/06/25 11:34*	*04/12/25 19:21*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/06/25 11:34*	*04/12/25 19:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.1**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D3_7-8
Date Collected: 04/03/25 15:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-77
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00069	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Benzene	0.00093	U	0.00093	0.00053	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Bromoform	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chlorobromomethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chloroethane	0.00093	U	0.00093	0.00049	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chloroform	0.00093	U	0.00093	0.00091	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Chloromethane	0.00093	U	0.00093	0.00041	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Cyclohexane	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00032	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Ethylbenzene	0.00093	U	0.00093	0.00044	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Isopropylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Methylcyclohexane	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D3_7-8
Date Collected: 04/03/25 15:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-77
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 11:35	04/12/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/06/25 11:35*	*04/12/25 19:44*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/06/25 11:35*	*04/12/25 19:44*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/06/25 11:35*	*04/12/25 19:44*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/06/25 11:35*	*04/12/25 19:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			04/07/25 08:17	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323490-1	13A1_2-3	124	89	114	98
460-323490-2	13A1_4-5	128	93	121	104
460-323490-3	13A2_6-7	128	93	119	101
460-323490-4	13A2_8-9	127	91	117	100
460-323490-5	13A2_9-10	122	91	116	101
460-323490-6	13A3_1-2	123	91	115	96
460-323490-7	13A3_6-7	129	93	119	100
460-323490-8	13B1_3-4	125	91	116	99
460-323490-9	13B1_7-8	121	86	112	93
460-323490-10	13B1_9-10	129	91	121	102
460-323490-11	13B2_2-3	126	91	117	99
460-323490-12	13B2_5-6	129	90	119	99
460-323490-13	13B3_2-3	127	92	117	100
460-323490-14	13B3_7-8	127	90	117	98
460-323490-15	13C1_0-1	110	94	116	94
460-323490-16	13C1_3-4	111	92	117	100
460-323490-17	13C2_3-4	107	91	116	98
460-323490-18	13C2_6-7	112	93	118	98
460-323490-19	13C3_1-2	112	93	116	98
460-323490-20	13C3_4-5	110	92	118	99
460-323490-21	13C3_7-8	111	93	120	100
460-323490-22	15A1_2-3	112	94	121	99
460-323490-23	15A1_6-7	110	90	117	97
460-323490-24	15A1_7-8	109	92	118	98
460-323490-25	15A2_1-2	113	92	119	97
460-323490-26	15A2_3-4	113	93	119	99
460-323490-27	15A3_4-5	113	89	120	97
460-323490-28	15A3_7-8	113	92	120	98
460-323490-29	15B1_3-4	114	90	118	98
460-323490-30	15B1_7-8	116	94	122	99
460-323490-31	15B2_1-2	116	88	122	95
460-323490-32	15B2_3-4	114	92	121	98
460-323490-33	15B2_6-7	114	90	120	98
460-323490-34	15B3_0-1	109	88	115	94
460-323490-35	15B3_3-4	108	92	118	98
460-323490-36	17A1_2-3	113	95	120	99
460-323490-37	17A1_7-8	106	104	104	94
460-323490-38	17A1_3-4	103	101	103	92
460-323490-39	17A2_6-7	101	101	100	91
460-323490-40	17A2_7-8	104	104	106	95
460-323490-41	17A3_2-3	105	101	99	90
460-323490-42	17A3_5-6	99	102	100	94
460-323490-43	17B1_2-3	100	101	100	91
460-323490-44	17B1_5-6	100	103	98	92
460-323490-45	17B2_0-1	96	85	107	91
460-323490-46	17B2_5-6	109	97	119	102
460-323490-47	17B3_3-4	108	96	118	101
460-323490-48	17B3_6-7	116	91	126	101
460-323490-49	17B3_7-8	109	94	120	99

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323490-50	18A1_1-2	110	92	119	97
460-323490-51	18A1_4-5	113	97	122	101
460-323490-52	18A1_7-8	111	94	119	99
460-323490-53	18A2_2-3	114	97	122	102
460-323490-54	18A2_8-9	109	92	120	99
460-323490-55	18A3_3-4	112	95	124	100
460-323490-56	18A3_6-7	113	92	121	98
460-323490-57	18B1_1-2	102	101	98	93
460-323490-58	18B1_7-8	113	93	122	98
460-323490-59	18B2_0-1	114	92	124	100
460-323490-60	18B2_7-8	98	99	97	93
460-323490-61	18B2_5-6	99	101	100	91
460-323490-62	18B3_2-3	100	102	99	93
460-323490-63	18B3_5-6	101	101	99	91
460-323490-64	18C1_0-1	101	102	100	90
460-323490-65	18C1_5-6	98	102	101	93
460-323490-66	18C2_3-4	100	101	98	90
460-323490-67	18C2_6-7	101	101	99	93
460-323490-68	18C3_4-5	101	105	97	94
460-323490-69	18C3_7-8	103	102	102	91
460-323490-70	18C3_9-10	112	94	121	97
460-323490-71	18D1_0-1	114	92	123	98
460-323490-72	18D1_6-7	114	92	124	97
460-323490-73	18D1_8-9	113	91	123	98
460-323490-74	18D2_1-2	114	91	124	97
460-323490-75	18D2_5-6	114	92	126	97
460-323490-76	18D3_3-4	98	101	95	90
460-323490-77	18D3_7-8	98	104	96	90
LCS 460-1030982/3	Lab Control Sample	111	95	106	106
LCS 460-1031170/4	Lab Control Sample	94	102	92	95
LCS 460-1031173/4	Lab Control Sample	106	98	111	107
LCS 460-1031234/3	Lab Control Sample	102	96	111	105
LCS 460-1031235/3	Lab Control Sample	93	98	94	90
LCS 460-1031261/3	Lab Control Sample	101	100	111	106
LCS 460-1031262/3	Lab Control Sample	92	101	94	95
LCS 460-1031356/3	Lab Control Sample	108	97	116	105
LCSD 460-1030982/4	Lab Control Sample Dup	110	96	103	106
LCSD 460-1031170/6	Lab Control Sample Dup	94	100	93	93
LCSD 460-1031173/5	Lab Control Sample Dup	102	98	107	103
LCSD 460-1031234/4	Lab Control Sample Dup	101	98	110	104
LCSD 460-1031235/4	Lab Control Sample Dup	92	99	94	90
LCSD 460-1031261/4	Lab Control Sample Dup	94	91	102	97
LCSD 460-1031262/4	Lab Control Sample Dup	91	102	96	97
LCSD 460-1031356/4	Lab Control Sample Dup	105	97	115	104
MB 460-1030982/7	Method Blank	118	94	113	104
MB 460-1031170/9	Method Blank	101	106	99	94
MB 460-1031173/8	Method Blank	110	91	114	97
MB 460-1031234/7	Method Blank	111	93	120	100
MB 460-1031235/8	Method Blank	97	103	99	94
MB 460-1031261/7	Method Blank	105	97	117	104

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
MB 460-1031262/7	Method Blank	99	106	102	96
MB 460-1031356/7	Method Blank	110	95	125	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1030982/7
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:21	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/11/25 07:21	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:21	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:21	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 07:21	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:21	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:21	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/11/25 07:21	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/11/25 07:21	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/11/25 07:21	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/11/25 07:21	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/11/25 07:21	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/11/25 07:21	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/11/25 07:21	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/11/25 07:21	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/11/25 07:21	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:21	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 07:21	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/11/25 07:21	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 07:21	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/11/25 07:21	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/11/25 07:21	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 07:21	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/11/25 07:21	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/11/25 07:21	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/11/25 07:21	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/11/25 07:21	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:21	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/11/25 07:21	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 07:21	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 07:21	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/11/25 07:21	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 07:21	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/11/25 07:21	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 07:21	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 07:21	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1030982/7
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:21	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 07:21	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 07:21	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 07:21	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 07:21	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 07:21	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/11/25 07:21	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/11/25 07:21	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/11/25 07:21	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/11/25 07:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*65 - 138*		*04/11/25 07:21*	*1*
4-Bromofluorobenzene	*94*		*71 - 128*		*04/11/25 07:21*	*1*
Dibromofluoromethane (Surr)	*113*		*50 - 150*		*04/11/25 07:21*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*04/11/25 07:21*	*1*

Lab Sample ID: LCS 460-1030982/3
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0217		mg/Kg		108	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0199		mg/Kg		99	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0204		mg/Kg		102	75 - 121
1,1,2-Trichloroethane	0.0200	0.0217		mg/Kg		109	80 - 120
1,1-Dichloroethane	0.0200	0.0231		mg/Kg		115	72 - 120
1,1-Dichloroethene	0.0200	0.0186		mg/Kg		93	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		101	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0197		mg/Kg		99	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	80 - 124
1,2-Dichlorobenzene	0.0200	0.0211		mg/Kg		106	80 - 120
1,2-Dichloroethane	0.0200	0.0222		mg/Kg		111	70 - 123
1,2-Dichloropropane	0.0200	0.0231		mg/Kg		115	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0195		mg/Kg		98	70 - 120
1,3-Dichlorobenzene	0.0200	0.0203		mg/Kg		101	80 - 120
1,4-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
2-Butanone (MEK)	0.100	0.0874		mg/Kg		87	64 - 128
2-Hexanone	0.100	0.0982		mg/Kg		98	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.104		mg/Kg		104	80 - 120
Acetone	0.100	0.103		mg/Kg		103	58 - 122
Benzene	0.0200	0.0216		mg/Kg		108	75 - 120
Bromoform	0.0200	0.0204		mg/Kg		102	61 - 125
Bromomethane	0.0200	0.0213		mg/Kg		106	37 - 150
Carbon disulfide	0.0200	0.0199		mg/Kg		100	57 - 133
Carbon tetrachloride	0.0200	0.0223		mg/Kg		112	66 - 127
Chlorobenzene	0.0200	0.0210		mg/Kg		105	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1030982/3
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0217		mg/Kg		108	76 - 127
Chlorodibromomethane	0.0200	0.0213		mg/Kg		107	72 - 120
Chloroethane	0.0200	0.0240		mg/Kg		120	60 - 123
Chloroform	0.0200	0.0215		mg/Kg		107	79 - 126
Chloromethane	0.0200	0.0207		mg/Kg		104	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0210		mg/Kg		105	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0217		mg/Kg		108	77 - 124
Dichlorodifluoromethane	0.0200	0.0210		mg/Kg		105	45 - 129
Ethylbenzene	0.0200	0.0203		mg/Kg		102	80 - 120
Ethylene Dibromide	0.0200	0.0202		mg/Kg		101	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		98	74 - 120
Methyl acetate	0.0400	0.0503	*	mg/Kg		126	57 - 120
Methyl tert-butyl ether	0.0200	0.0198		mg/Kg		99	74 - 125
Methylcyclohexane	0.0200	0.0201		mg/Kg		101	66 - 125
Methylene Chloride	0.0200	0.0212		mg/Kg		106	78 - 120
m-Xylene & p-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
n-Butylbenzene	0.0200	0.0216		mg/Kg		108	72 - 120
N-Propylbenzene	0.0200	0.0190		mg/Kg		95	68 - 120
o-Xylene	0.0200	0.0193		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0192		mg/Kg		96	78 - 120
Styrene	0.0200	0.0205		mg/Kg		103	80 - 120
tert-Butylbenzene	0.0200	0.0185		mg/Kg		92	80 - 120
Tetrachloroethene	0.0200	0.0219		mg/Kg		110	73 - 120
Toluene	0.0200	0.0199		mg/Kg		100	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	77 - 120
Trichloroethene	0.0200	0.0196		mg/Kg		98	80 - 120
Trichlorofluoromethane	0.0200	0.0217		mg/Kg		108	61 - 130
Vinyl chloride	0.0200	0.0234		mg/Kg		117	54 - 122
Xylenes, Total	0.0400	0.0387		mg/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*
4-Bromofluorobenzene	*95*		*71 - 128*
Dibromofluoromethane (Surr)	*106*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 120	9	30
1,1,2,2-Tetrachloroethane	0.0200	0.0194		mg/Kg		97	70 - 133	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0194		mg/Kg		97	75 - 121	5	30
1,1,2-Trichloroethane	0.0200	0.0205		mg/Kg		102	80 - 120	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0217		mg/Kg		108	72 - 120	6	30
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		93	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0189		mg/Kg		94	77 - 137	7	30
1,2,4-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	77 - 136	6	30
1,2,4-Trimethylbenzene	0.0200	0.0177		mg/Kg		89	75 - 120	4	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0183		mg/Kg		91	80 - 124	3	30
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0211		mg/Kg		106	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0215		mg/Kg		108	73 - 124	7	30
1,3,5-Trimethylbenzene	0.0200	0.0183		mg/Kg		92	70 - 120	6	30
1,3-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120	7	30
2-Butanone (MEK)	0.100	0.0803		mg/Kg		80	64 - 128	8	30
2-Hexanone	0.100	0.0901		mg/Kg		90	75 - 120	9	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0961		mg/Kg		96	80 - 120	8	30
Acetone	0.100	0.0946		mg/Kg		95	58 - 122	9	30
Benzene	0.0200	0.0206		mg/Kg		103	75 - 120	5	30
Bromoform	0.0200	0.0195		mg/Kg		97	61 - 125	5	30
Bromomethane	0.0200	0.0198		mg/Kg		99	37 - 150	7	30
Carbon disulfide	0.0200	0.0185		mg/Kg		92	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127	13	30
Chlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	7	30
Chlorobromomethane	0.0200	0.0199		mg/Kg		100	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0198		mg/Kg		99	72 - 120	7	30
Chloroethane	0.0200	0.0221		mg/Kg		110	60 - 123	9	30
Chloroform	0.0200	0.0201		mg/Kg		101	79 - 126	7	30
Chloromethane	0.0200	0.0199		mg/Kg		99	46 - 122	4	30
cis-1,2-Dichloroethene	0.0200	0.0194		mg/Kg		97	80 - 123	7	30
cis-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	75 - 120	3	30
Cyclohexane	0.0200	0.0190		mg/Kg		95	65 - 132	8	30
Dichlorobromomethane	0.0200	0.0201		mg/Kg		100	77 - 124	8	30
Dichlorodifluoromethane	0.0200	0.0188		mg/Kg		94	45 - 129	11	30
Ethylbenzene	0.0200	0.0187		mg/Kg		93	80 - 120	8	30
Ethylene Dibromide	0.0200	0.0190		mg/Kg		95	79 - 120	6	30
Isopropylbenzene	0.0200	0.0181		mg/Kg		91	74 - 120	8	30
Methyl acetate	0.0400	0.0495	*	mg/Kg		124	57 - 120	2	30
Methyl tert-butyl ether	0.0200	0.0186		mg/Kg		93	74 - 125	6	30
Methylcyclohexane	0.0200	0.0189		mg/Kg		95	66 - 125	6	30
Methylene Chloride	0.0200	0.0196		mg/Kg		98	78 - 120	8	30
m-Xylene & p-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
n-Butylbenzene	0.0200	0.0197		mg/Kg		98	72 - 120	9	30
N-Propylbenzene	0.0200	0.0184		mg/Kg		92	68 - 120	3	30
o-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0186		mg/Kg		93	78 - 120	3	30
Styrene	0.0200	0.0189		mg/Kg		94	80 - 120	8	30
tert-Butylbenzene	0.0200	0.0181		mg/Kg		90	80 - 120	2	30
Tetrachloroethene	0.0200	0.0204		mg/Kg		102	73 - 120	7	30
Toluene	0.0200	0.0188		mg/Kg		94	80 - 120	6	30
trans-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	78 - 120	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1030982/4
Matrix: Solid
Analysis Batch: 1030982

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		99	77 - 120	3	30
Trichloroethene			0.0200	0.0188		mg/Kg		94	80 - 120	4	30
Trichlorofluoromethane			0.0200	0.0199		mg/Kg		100	61 - 130	8	30
Vinyl chloride			0.0200	0.0214		mg/Kg		107	54 - 122	9	30
Xylenes, Total			0.0400	0.0368		mg/Kg		92	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*103*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: MB 460-1031170/9
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:44	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 19:44	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:44	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:44	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:44	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/11/25 19:44	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:44	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 19:44	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 19:44	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:44	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 19:44	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 19:44	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 19:44	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/11/25 19:44	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:44	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/11/25 19:44	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/11/25 19:44	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/11/25 19:44	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/11/25 19:44	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/11/25 19:44	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/11/25 19:44	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/11/25 19:44	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:44	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/11/25 19:44	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 19:44	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:44	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/11/25 19:44	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:44	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/11/25 19:44	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/11/25 19:44	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031170/9
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:44	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:44	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/11/25 19:44	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/11/25 19:44	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/11/25 19:44	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/11/25 19:44	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 19:44	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:44	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/11/25 19:44	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 19:44	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 19:44	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/11/25 19:44	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 19:44	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:44	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/11/25 19:44	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 19:44	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:44	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 19:44	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 19:44	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 19:44	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:44	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 19:44	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:44	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/11/25 19:44	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/11/25 19:44	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/11/25 19:44	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/11/25 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*		*04/11/25 19:44*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*		*04/11/25 19:44*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*		*04/11/25 19:44*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*04/11/25 19:44*	*1*

Lab Sample ID: LCS 460-1031170/4
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0181		mg/Kg		90	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0174		mg/Kg		87	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0182		mg/Kg		91	75 - 121
1,1,2-Trichloroethane	0.0200	0.0175		mg/Kg		88	80 - 120
1,1-Dichloroethane	0.0200	0.0174		mg/Kg		87	72 - 120
1,1-Dichloroethene	0.0200	0.0182		mg/Kg		91	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0185		mg/Kg		93	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0182		mg/Kg		91	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031170/4
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0190		mg/Kg		95	80 - 124
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
1,2-Dichloroethane	0.0200	0.0183		mg/Kg		91	70 - 123
1,2-Dichloropropane	0.0200	0.0171		mg/Kg		85	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0179		mg/Kg		89	70 - 120
1,3-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120
2-Butanone (MEK)	0.100	0.0839		mg/Kg		84	64 - 128
2-Hexanone	0.100	0.0924		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0921		mg/Kg		92	80 - 120
Acetone	0.100	0.0816		mg/Kg		82	58 - 122
Benzene	0.0200	0.0180		mg/Kg		90	75 - 120
Bromoform	0.0200	0.0191		mg/Kg		95	61 - 125
Bromomethane	0.0200	0.0169		mg/Kg		84	37 - 150
Carbon disulfide	0.0200	0.0214		mg/Kg		107	57 - 133
Carbon tetrachloride	0.0200	0.0189		mg/Kg		95	66 - 127
Chlorobenzene	0.0200	0.0183		mg/Kg		92	80 - 120
Chlorobromomethane	0.0200	0.0175		mg/Kg		87	76 - 127
Chlorodibromomethane	0.0200	0.0184		mg/Kg		92	72 - 120
Chloroethane	0.0200	0.0174		mg/Kg		87	60 - 123
Chloroform	0.0200	0.0178		mg/Kg		89	79 - 126
Chloromethane	0.0200	0.0167		mg/Kg		83	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0177		mg/Kg		89	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0188		mg/Kg		94	75 - 120
Cyclohexane	0.0200	0.0185		mg/Kg		93	65 - 132
Dichlorobromomethane	0.0200	0.0171		mg/Kg		85	77 - 124
Dichlorodifluoromethane	0.0200	0.0156		mg/Kg		78	45 - 129
Ethylbenzene	0.0200	0.0180		mg/Kg		90	80 - 120
Ethylene Dibromide	0.0200	0.0188		mg/Kg		94	79 - 120
Isopropylbenzene	0.0200	0.0182		mg/Kg		91	74 - 120
Methyl acetate	0.0400	0.0341		mg/Kg		85	57 - 120
Methyl tert-butyl ether	0.0200	0.0172		mg/Kg		86	74 - 125
Methylcyclohexane	0.0200	0.0179		mg/Kg		90	66 - 125
Methylene Chloride	0.0200	0.0175		mg/Kg		87	78 - 120
m-Xylene & p-Xylene	0.0200	0.0186		mg/Kg		93	80 - 120
n-Butylbenzene	0.0200	0.0176		mg/Kg		88	72 - 120
N-Propylbenzene	0.0200	0.0182		mg/Kg		91	68 - 120
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120
sec-Butylbenzene	0.0200	0.0181		mg/Kg		91	78 - 120
Styrene	0.0200	0.0184		mg/Kg		92	80 - 120
tert-Butylbenzene	0.0200	0.0178		mg/Kg		89	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	73 - 120
Toluene	0.0200	0.0180		mg/Kg		90	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0180		mg/Kg		90	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0175		mg/Kg		88	77 - 120
Trichloroethene	0.0200	0.0175		mg/Kg		87	80 - 120
Trichlorofluoromethane	0.0200	0.0173		mg/Kg		86	61 - 130
Vinyl chloride	0.0200	0.0170		mg/Kg		85	54 - 122
Xylenes, Total	0.0400	0.0368		mg/Kg		92	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		65 - 138
4-Bromofluorobenzene	102		71 - 128
Dibromofluoromethane (Surr)	92		50 - 150
Toluene-d8 (Surr)	95		71 - 126

Lab Sample ID: LCSD 460-1031170/6
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0182		mg/Kg		91	78 - 120	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0168		mg/Kg		84	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0176		mg/Kg		88	75 - 121	3	30
1,1,2-Trichloroethane			0.0200	0.0164		mg/Kg		82	80 - 120	7	30
1,1-Dichloroethane			0.0200	0.0170		mg/Kg		85	72 - 120	2	30
1,1-Dichloroethene			0.0200	0.0182		mg/Kg		91	76 - 120	0	30
1,2,3-Trichlorobenzene			0.0200	0.0189		mg/Kg		94	77 - 137	1	30
1,2,4-Trichlorobenzene			0.0200	0.0183		mg/Kg		91	77 - 136	1	30
1,2,4-Trimethylbenzene			0.0200	0.0176		mg/Kg		88	75 - 120	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0178		mg/Kg		89	80 - 124	7	30
1,2-Dichlorobenzene			0.0200	0.0179		mg/Kg		89	80 - 120	3	30
1,2-Dichloroethane			0.0200	0.0169		mg/Kg		85	70 - 123	8	30
1,2-Dichloropropane			0.0200	0.0161		mg/Kg		80	73 - 124	6	30
1,3,5-Trimethylbenzene			0.0200	0.0173		mg/Kg		87	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0174		mg/Kg		87	80 - 120	4	30
1,4-Dichlorobenzene			0.0200	0.0175		mg/Kg		87	80 - 120	2	30
2-Butanone (MEK)			0.100	0.0839		mg/Kg		84	64 - 128	0	30
2-Hexanone			0.100	0.0902		mg/Kg		90	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0902		mg/Kg		90	80 - 120	2	30
Acetone			0.100	0.0823		mg/Kg		82	58 - 122	1	30
Benzene			0.0200	0.0170		mg/Kg		85	75 - 120	5	30
Bromoform			0.0200	0.0179		mg/Kg		89	61 - 125	6	30
Bromomethane			0.0200	0.0166		mg/Kg		83	37 - 150	2	30
Carbon disulfide			0.0200	0.0208		mg/Kg		104	57 - 133	3	30
Carbon tetrachloride			0.0200	0.0181		mg/Kg		91	66 - 127	4	30
Chlorobenzene			0.0200	0.0176		mg/Kg		88	80 - 120	4	30
Chlorobromomethane			0.0200	0.0166		mg/Kg		83	76 - 127	5	30
Chlorodibromomethane			0.0200	0.0166		mg/Kg		83	72 - 120	10	30
Chloroethane			0.0200	0.0180		mg/Kg		90	60 - 123	3	30
Chloroform			0.0200	0.0171		mg/Kg		85	79 - 126	4	30
Chloromethane			0.0200	0.0170		mg/Kg		85	46 - 122	2	30
cis-1,2-Dichloroethene			0.0200	0.0168		mg/Kg		84	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0170		mg/Kg		85	75 - 120	10	30
Cyclohexane			0.0200	0.0180		mg/Kg		90	65 - 132	3	30
Dichlorobromomethane			0.0200	0.0164		mg/Kg		82	77 - 124	4	30
Dichlorodifluoromethane			0.0200	0.0153		mg/Kg		76	45 - 129	2	30
Ethylbenzene			0.0200	0.0174		mg/Kg		87	80 - 120	4	30
Ethylene Dibromide			0.0200	0.0179		mg/Kg		90	79 - 120	5	30
Isopropylbenzene			0.0200	0.0173		mg/Kg		86	74 - 120	5	30
Methyl acetate			0.0400	0.0341		mg/Kg		85	57 - 120	0	30
Methyl tert-butyl ether			0.0200	0.0161		mg/Kg		80	74 - 125	7	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031170/6
Matrix: Solid
Analysis Batch: 1031170

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0174		mg/Kg		87	66 - 125	3	30
Methylene Chloride			0.0200	0.0168		mg/Kg		84	78 - 120	4	30
m-Xylene & p-Xylene			0.0200	0.0178		mg/Kg		89	80 - 120	4	30
n-Butylbenzene			0.0200	0.0175		mg/Kg		87	72 - 120	0	30
N-Propylbenzene			0.0200	0.0177		mg/Kg		89	68 - 120	2	30
o-Xylene			0.0200	0.0173		mg/Kg		87	80 - 120	5	30
sec-Butylbenzene			0.0200	0.0179		mg/Kg		89	78 - 120	2	30
Styrene			0.0200	0.0178		mg/Kg		89	80 - 120	3	30
tert-Butylbenzene			0.0200	0.0172		mg/Kg		86	80 - 120	4	30
Tetrachloroethene			0.0200	0.0189		mg/Kg		95	73 - 120	3	30
Toluene			0.0200	0.0173		mg/Kg		86	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0178		mg/Kg		89	78 - 120	1	30
trans-1,3-Dichloropropene			0.0200	0.0171		mg/Kg		85	77 - 120	3	30
Trichloroethene			0.0200	0.0174		mg/Kg		87	80 - 120	0	30
Trichlorofluoromethane			0.0200	0.0173		mg/Kg		87	61 - 130	0	30
Vinyl chloride			0.0200	0.0173		mg/Kg		86	54 - 122	1	30
Xylenes, Total			0.0400	0.0352		mg/Kg		88	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*93*		*71 - 126*

Lab Sample ID: MB 460-1031173/8
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:33	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 19:33	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:33	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:33	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:33	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/11/25 19:33	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:33	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 19:33	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 19:33	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:33	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/11/25 19:33	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 19:33	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 19:33	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/11/25 19:33	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:33	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/11/25 19:33	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/11/25 19:33	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/11/25 19:33	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031173/8
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/11/25 19:33	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/11/25 19:33	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/11/25 19:33	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/11/25 19:33	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:33	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/11/25 19:33	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 19:33	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/11/25 19:33	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/11/25 19:33	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/11/25 19:33	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/11/25 19:33	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/11/25 19:33	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/11/25 19:33	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:33	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/11/25 19:33	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/11/25 19:33	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/11/25 19:33	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/11/25 19:33	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 19:33	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:33	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/11/25 19:33	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/11/25 19:33	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/11/25 19:33	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/11/25 19:33	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/11/25 19:33	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:33	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/11/25 19:33	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/11/25 19:33	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/11/25 19:33	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 19:33	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/11/25 19:33	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/11/25 19:33	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/11/25 19:33	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/11/25 19:33	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/11/25 19:33	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/11/25 19:33	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/11/25 19:33	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/11/25 19:33	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/11/25 19:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*		*04/11/25 19:33*	*1*
4-Bromofluorobenzene	*91*		*71 - 128*		*04/11/25 19:33*	*1*
Dibromofluoromethane (Surr)	*114*		*50 - 150*		*04/11/25 19:33*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*04/11/25 19:33*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031173/4
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0180		mg/Kg		90	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0167		mg/Kg		83	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0192		mg/Kg		96	75 - 121
1,1,2-Trichloroethane	0.0200	0.0186		mg/Kg		93	80 - 120
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		96	72 - 120
1,1-Dichloroethene	0.0200	0.0189		mg/Kg		94	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0169		mg/Kg		85	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0161		mg/Kg		81	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0146	*	mg/Kg		73	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	80 - 124
1,2-Dichlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120
1,2-Dichloroethane	0.0200	0.0179		mg/Kg		89	70 - 123
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0152		mg/Kg		76	70 - 120
1,3-Dichlorobenzene	0.0200	0.0171		mg/Kg		85	80 - 120
1,4-Dichlorobenzene	0.0200	0.0171		mg/Kg		85	80 - 120
2-Butanone (MEK)	0.100	0.0880		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0850		mg/Kg		85	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0880		mg/Kg		88	80 - 120
Acetone	0.100	0.0898		mg/Kg		90	58 - 122
Benzene	0.0200	0.0181		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0198		mg/Kg		99	61 - 125
Bromomethane	0.0200	0.0281		mg/Kg		141	37 - 150
Carbon disulfide	0.0200	0.0194		mg/Kg		97	57 - 133
Carbon tetrachloride	0.0200	0.0181		mg/Kg		91	66 - 127
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Chlorobromomethane	0.0200	0.0201		mg/Kg		100	76 - 127
Chlorodibromomethane	0.0200	0.0185		mg/Kg		92	72 - 120
Chloroethane	0.0200	0.0291	*	mg/Kg		146	60 - 123
Chloroform	0.0200	0.0182		mg/Kg		91	79 - 126
Chloromethane	0.0200	0.0226		mg/Kg		113	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		94	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0174		mg/Kg		87	75 - 120
Cyclohexane	0.0200	0.0176		mg/Kg		88	65 - 132
Dichlorobromomethane	0.0200	0.0177		mg/Kg		89	77 - 124
Dichlorodifluoromethane	0.0200	0.0224		mg/Kg		112	45 - 129
Ethylbenzene	0.0200	0.0177		mg/Kg		88	80 - 120
Ethylene Dibromide	0.0200	0.0179		mg/Kg		90	79 - 120
Isopropylbenzene	0.0200	0.0163		mg/Kg		81	74 - 120
Methyl acetate	0.0400	0.0359		mg/Kg		90	57 - 120
Methyl tert-butyl ether	0.0200	0.0173		mg/Kg		87	74 - 125
Methylcyclohexane	0.0200	0.0164		mg/Kg		82	66 - 125
Methylene Chloride	0.0200	0.0195		mg/Kg		98	78 - 120
m-Xylene & p-Xylene	0.0200	0.0168		mg/Kg		84	80 - 120
n-Butylbenzene	0.0200	0.0151		mg/Kg		75	72 - 120
N-Propylbenzene	0.0200	0.0155		mg/Kg		77	68 - 120
o-Xylene	0.0200	0.0172		mg/Kg		86	80 - 120
sec-Butylbenzene	0.0200	0.0143	*	mg/Kg		72	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031173/4
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	0.0200	0.0177		mg/Kg		88	80 - 120
tert-Butylbenzene	0.0200	0.0143	*	mg/Kg		72	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		97	73 - 120
Toluene	0.0200	0.0170		mg/Kg		85	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		95	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0169		mg/Kg		85	77 - 120
Trichloroethene	0.0200	0.0173		mg/Kg		86	80 - 120
Trichlorofluoromethane	0.0200	0.0257		mg/Kg		128	61 - 130
Vinyl chloride	0.0200	0.0266	*	mg/Kg		133	54 - 122
Xylenes, Total	0.0400	0.0340		mg/Kg		85	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*111*		*50 - 150*
Toluene-d8 (Surr)	*107*		*71 - 126*

Lab Sample ID: LCSD 460-1031173/5
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0190		mg/Kg		95	78 - 120	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0187		mg/Kg		93	70 - 133	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0208		mg/Kg		104	75 - 121	8	30
1,1,2-Trichloroethane	0.0200	0.0195		mg/Kg		97	80 - 120	5	30
1,1-Dichloroethane	0.0200	0.0202		mg/Kg		101	72 - 120	5	30
1,1-Dichloroethene	0.0200	0.0206		mg/Kg		103	76 - 120	9	30
1,2,3-Trichlorobenzene	0.0200	0.0193		mg/Kg		97	77 - 137	13	30
1,2,4-Trichlorobenzene	0.0200	0.0187		mg/Kg		94	77 - 136	15	30
1,2,4-Trimethylbenzene	0.0200	0.0172		mg/Kg		86	75 - 120	16	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0195		mg/Kg		98	80 - 124	13	30
1,2-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	12	30
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	70 - 123	5	30
1,2-Dichloropropane	0.0200	0.0204		mg/Kg		102	73 - 124	7	30
1,3,5-Trimethylbenzene	0.0200	0.0174		mg/Kg		87	70 - 120	13	30
1,3-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 120	14	30
1,4-Dichlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120	15	30
2-Butanone (MEK)	0.100	0.0896		mg/Kg		90	64 - 128	2	30
2-Hexanone	0.100	0.0961		mg/Kg		96	75 - 120	12	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0977		mg/Kg		98	80 - 120	10	30
Acetone	0.100	0.0970		mg/Kg		97	58 - 122	8	30
Benzene	0.0200	0.0192		mg/Kg		96	75 - 120	6	30
Bromoform	0.0200	0.0214		mg/Kg		107	61 - 125	8	30
Bromomethane	0.0200	0.0265		mg/Kg		132	37 - 150	6	30
Carbon disulfide	0.0200	0.0207		mg/Kg		104	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127	8	30
Chlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	6	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031173/5
Matrix: Solid
Analysis Batch: 1031173

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane	0.0200	0.0215		mg/Kg		107	76 - 127	7	30
Chlorodibromomethane	0.0200	0.0197		mg/Kg		99	72 - 120	6	30
Chloroethane	0.0200	0.0268	*	mg/Kg		134	60 - 123	8	30
Chloroform	0.0200	0.0192		mg/Kg		96	79 - 126	6	30
Chloromethane	0.0200	0.0214		mg/Kg		107	46 - 122	6	30
cis-1,2-Dichloroethene	0.0200	0.0199		mg/Kg		100	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0190		mg/Kg		95	75 - 120	9	30
Cyclohexane	0.0200	0.0195		mg/Kg		97	65 - 132	10	30
Dichlorobromomethane	0.0200	0.0191		mg/Kg		95	77 - 124	7	30
Dichlorodifluoromethane	0.0200	0.0206		mg/Kg		103	45 - 129	8	30
Ethylbenzene	0.0200	0.0191		mg/Kg		96	80 - 120	8	30
Ethylene Dibromide	0.0200	0.0192		mg/Kg		96	79 - 120	7	30
Isopropylbenzene	0.0200	0.0183		mg/Kg		91	74 - 120	11	30
Methyl acetate	0.0400	0.0404		mg/Kg		101	57 - 120	12	30
Methyl tert-butyl ether	0.0200	0.0182		mg/Kg		91	74 - 125	5	30
Methylcyclohexane	0.0200	0.0193		mg/Kg		97	66 - 125	16	30
Methylene Chloride	0.0200	0.0206		mg/Kg		103	78 - 120	5	30
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120	8	30
n-Butylbenzene	0.0200	0.0185		mg/Kg		92	72 - 120	20	30
N-Propylbenzene	0.0200	0.0183		mg/Kg		92	68 - 120	17	30
o-Xylene	0.0200	0.0188		mg/Kg		94	80 - 120	9	30
sec-Butylbenzene	0.0200	0.0174		mg/Kg		87	78 - 120	20	30
Styrene	0.0200	0.0195		mg/Kg		97	80 - 120	10	30
tert-Butylbenzene	0.0200	0.0170		mg/Kg		85	80 - 120	17	30
Tetrachloroethene	0.0200	0.0208		mg/Kg		104	73 - 120	6	30
Toluene	0.0200	0.0182		mg/Kg		91	80 - 120	7	30
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120	8	30
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	77 - 120	7	30
Trichloroethene	0.0200	0.0189		mg/Kg		95	80 - 120	9	30
Trichlorofluoromethane	0.0200	0.0239		mg/Kg		120	61 - 130	7	30
Vinyl chloride	0.0200	0.0250	*	mg/Kg		125	54 - 122	6	30
Xylenes, Total	0.0400	0.0370		mg/Kg		92	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*107*		*50 - 150*
Toluene-d8 (Surr)	*103*		*71 - 126*

Lab Sample ID: MB 460-1031234/7
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:11	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 07:11	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031234/7
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:11	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:11	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/12/25 07:11	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:11	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 07:11	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 07:11	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:11	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 07:11	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 07:11	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 07:11	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/12/25 07:11	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:11	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/12/25 07:11	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/12/25 07:11	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/12/25 07:11	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/12/25 07:11	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/12/25 07:11	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/12/25 07:11	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/12/25 07:11	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:11	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/12/25 07:11	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 07:11	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:11	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/12/25 07:11	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:11	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/12/25 07:11	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/12/25 07:11	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:11	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:11	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/12/25 07:11	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/12/25 07:11	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/12/25 07:11	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/12/25 07:11	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 07:11	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:11	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/12/25 07:11	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 07:11	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 07:11	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/12/25 07:11	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 07:11	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:11	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/12/25 07:11	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 07:11	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:11	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 07:11	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 07:11	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 07:11	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:11	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 07:11	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031234/7
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:11	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/12/25 07:11	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/12/25 07:11	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/12/25 07:11	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/12/25 07:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*65 - 138*		*04/12/25 07:11*	*1*
4-Bromofluorobenzene	*93*		*71 - 128*		*04/12/25 07:11*	*1*
Dibromofluoromethane (Surr)	*120*		*50 - 150*		*04/12/25 07:11*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*04/12/25 07:11*	*1*

Lab Sample ID: LCS 460-1031234/3
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0194		mg/Kg		97	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0177		mg/Kg		89	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0215		mg/Kg		107	75 - 121
1,1,2-Trichloroethane	0.0200	0.0198		mg/Kg		99	80 - 120
1,1-Dichloroethane	0.0200	0.0203		mg/Kg		101	72 - 120
1,1-Dichloroethene	0.0200	0.0213		mg/Kg		106	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0184		mg/Kg		92	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0179		mg/Kg		90	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0162		mg/Kg		81	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	80 - 124
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0196		mg/Kg		98	70 - 123
1,2-Dichloropropane	0.0200	0.0211		mg/Kg		106	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0170		mg/Kg		85	70 - 120
1,3-Dichlorobenzene	0.0200	0.0190		mg/Kg		95	80 - 120
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
2-Butanone (MEK)	0.100	0.0971		mg/Kg		97	64 - 128
2-Hexanone	0.100	0.0927		mg/Kg		93	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0955		mg/Kg		95	80 - 120
Acetone	0.100	0.0865		mg/Kg		86	58 - 122
Benzene	0.0200	0.0198		mg/Kg		99	75 - 120
Bromoform	0.0200	0.0205		mg/Kg		103	61 - 125
Bromomethane	0.0200	0.0203		mg/Kg		102	37 - 150
Carbon disulfide	0.0200	0.0212		mg/Kg		106	57 - 133
Carbon tetrachloride	0.0200	0.0203		mg/Kg		102	66 - 127
Chlorobenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0228		mg/Kg		114	76 - 127
Chlorodibromomethane	0.0200	0.0198		mg/Kg		99	72 - 120
Chloroethane	0.0200	0.0207		mg/Kg		104	60 - 123
Chloroform	0.0200	0.0200		mg/Kg		100	79 - 126
Chloromethane	0.0200	0.0158		mg/Kg		79	46 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031234/3
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0200	0.0209		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	75 - 120
Cyclohexane	0.0200	0.0205		mg/Kg		102	65 - 132
Dichlorobromomethane	0.0200	0.0202		mg/Kg		101	77 - 124
Dichlorodifluoromethane	0.0200	0.0189		mg/Kg		94	45 - 129
Ethylbenzene	0.0200	0.0190		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0199		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0180		mg/Kg		90	74 - 120
Methyl acetate	0.0400	0.0422		mg/Kg		106	57 - 120
Methyl tert-butyl ether	0.0200	0.0187		mg/Kg		94	74 - 125
Methylcyclohexane	0.0200	0.0199		mg/Kg		100	66 - 125
Methylene Chloride	0.0200	0.0212		mg/Kg		106	78 - 120
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		94	80 - 120
n-Butylbenzene	0.0200	0.0179		mg/Kg		89	72 - 120
N-Propylbenzene	0.0200	0.0178		mg/Kg		89	68 - 120
o-Xylene	0.0200	0.0187		mg/Kg		93	80 - 120
sec-Butylbenzene	0.0200	0.0167		mg/Kg		84	78 - 120
Styrene	0.0200	0.0191		mg/Kg		95	80 - 120
tert-Butylbenzene	0.0200	0.0168		mg/Kg		84	80 - 120
Tetrachloroethene	0.0200	0.0214		mg/Kg		107	73 - 120
Toluene	0.0200	0.0187		mg/Kg		94	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0214		mg/Kg		107	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0182		mg/Kg		91	77 - 120
Trichloroethene	0.0200	0.0197		mg/Kg		99	80 - 120
Trichlorofluoromethane	0.0200	0.0187		mg/Kg		94	61 - 130
Vinyl chloride	0.0200	0.0198		mg/Kg		99	54 - 122
Xylenes, Total	0.0400	0.0374		mg/Kg		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*
4-Bromofluorobenzene	*96*		*71 - 128*
Dibromofluoromethane (Surr)	*111*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: LCSD 460-1031234/4
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0210		mg/Kg		105	78 - 120	8	30
1,1,2,2-Tetrachloroethane	0.0200	0.0190		mg/Kg		95	70 - 133	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0230		mg/Kg		115	75 - 121	7	30
1,1,2-Trichloroethane	0.0200	0.0208		mg/Kg		104	80 - 120	5	30
1,1-Dichloroethane	0.0200	0.0215		mg/Kg		108	72 - 120	6	30
1,1-Dichloroethene	0.0200	0.0226		mg/Kg		113	76 - 120	6	30
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		100	77 - 137	9	30
1,2,4-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	77 - 136	7	30
1,2,4-Trimethylbenzene	0.0200	0.0181		mg/Kg		90	75 - 120	11	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031234/4
Matrix: Solid
Analysis Batch: 1031234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0200	0.0201		mg/Kg		100	80 - 124	15	30
1,2-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120	6	30
1,2-Dichloroethane	0.0200	0.0207		mg/Kg		103	70 - 123	6	30
1,2-Dichloropropane	0.0200	0.0224		mg/Kg		112	73 - 124	6	30
1,3,5-Trimethylbenzene	0.0200	0.0186		mg/Kg		93	70 - 120	9	30
1,3-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120	8	30
2-Butanone (MEK)	0.100	0.102		mg/Kg		102	64 - 128	5	30
2-Hexanone	0.100	0.101		mg/Kg		101	75 - 120	9	30
4-Methyl-2-pentanone (MIBK)	0.100	0.103		mg/Kg		103	80 - 120	8	30
Acetone	0.100	0.106		mg/Kg		106	58 - 122	20	30
Benzene	0.0200	0.0210		mg/Kg		105	75 - 120	6	30
Bromoform	0.0200	0.0217		mg/Kg		108	61 - 125	5	30
Bromomethane	0.0200	0.0214		mg/Kg		107	37 - 150	5	30
Carbon disulfide	0.0200	0.0226		mg/Kg		113	57 - 133	6	30
Carbon tetrachloride	0.0200	0.0217		mg/Kg		108	66 - 127	6	30
Chlorobenzene	0.0200	0.0211		mg/Kg		105	80 - 120	5	30
Chlorobromomethane	0.0200	0.0240		mg/Kg		120	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0214		mg/Kg		107	72 - 120	7	30
Chloroethane	0.0200	0.0217		mg/Kg		108	60 - 123	5	30
Chloroform	0.0200	0.0214		mg/Kg		107	79 - 126	7	30
Chloromethane	0.0200	0.0171		mg/Kg		85	46 - 122	8	30
cis-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	80 - 123	7	30
cis-1,3-Dichloropropene	0.0200	0.0204		mg/Kg		102	75 - 120	6	30
Cyclohexane	0.0200	0.0222		mg/Kg		111	65 - 132	8	30
Dichlorobromomethane	0.0200	0.0209		mg/Kg		104	77 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0200		mg/Kg		100	45 - 129	5	30
Ethylbenzene	0.0200	0.0206		mg/Kg		103	80 - 120	8	30
Ethylene Dibromide	0.0200	0.0206		mg/Kg		103	79 - 120	4	30
Isopropylbenzene	0.0200	0.0191		mg/Kg		96	74 - 120	6	30
Methyl acetate	0.0400	0.0465		mg/Kg		116	57 - 120	9	30
Methyl tert-butyl ether	0.0200	0.0200		mg/Kg		100	74 - 125	6	30
Methylcyclohexane	0.0200	0.0220		mg/Kg		110	66 - 125	10	30
Methylene Chloride	0.0200	0.0226		mg/Kg		113	78 - 120	6	30
m-Xylene & p-Xylene	0.0200	0.0198		mg/Kg		99	80 - 120	6	30
n-Butylbenzene	0.0200	0.0194		mg/Kg		97	72 - 120	8	30
N-Propylbenzene	0.0200	0.0192		mg/Kg		96	68 - 120	7	30
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0185		mg/Kg		93	78 - 120	10	30
Styrene	0.0200	0.0202		mg/Kg		101	80 - 120	5	30
tert-Butylbenzene	0.0200	0.0183		mg/Kg		91	80 - 120	8	30
Tetrachloroethene	0.0200	0.0225		mg/Kg		113	73 - 120	5	30
Toluene	0.0200	0.0197		mg/Kg		99	80 - 120	5	30
trans-1,2-Dichloroethene	0.0200	0.0224		mg/Kg		112	78 - 120	5	30
trans-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	77 - 120	6	30
Trichloroethene	0.0200	0.0206		mg/Kg		103	80 - 120	4	30
Trichlorofluoromethane	0.0200	0.0198		mg/Kg		99	61 - 130	6	30
Vinyl chloride	0.0200	0.0204		mg/Kg		102	54 - 122	3	30
Xylenes, Total	0.0400	0.0394		mg/Kg		98	80 - 120	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		65 - 138
4-Bromofluorobenzene	98		71 - 128
Dibromofluoromethane (Surr)	110		50 - 150
Toluene-d8 (Surr)	104		71 - 126

Lab Sample ID: MB 460-1031235/8
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:32	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 07:32	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:32	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:32	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:32	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/12/25 07:32	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:32	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 07:32	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 07:32	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 07:32	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 07:32	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 07:32	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/12/25 07:32	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:32	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/12/25 07:32	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/12/25 07:32	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/12/25 07:32	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/12/25 07:32	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/12/25 07:32	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/12/25 07:32	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/12/25 07:32	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/12/25 07:32	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 07:32	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 07:32	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/12/25 07:32	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 07:32	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/12/25 07:32	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/12/25 07:32	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 07:32	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:32	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/12/25 07:32	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/12/25 07:32	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/12/25 07:32	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/12/25 07:32	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 07:32	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:32	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/12/25 07:32	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 07:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031235/8
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 07:32	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/12/25 07:32	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 07:32	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:32	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/12/25 07:32	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 07:32	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 07:32	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 07:32	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 07:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 07:32	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 07:32	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 07:32	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 07:32	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/12/25 07:32	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/12/25 07:32	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/12/25 07:32	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/12/25 07:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*		*04/12/25 07:32*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*		*04/12/25 07:32*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*		*04/12/25 07:32*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*04/12/25 07:32*	*1*

Lab Sample ID: LCS 460-1031235/3
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0198		mg/Kg		99	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0174		mg/Kg		87	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0198		mg/Kg		99	75 - 121
1,1,2-Trichloroethane	0.0200	0.0171		mg/Kg		86	80 - 120
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	72 - 120
1,1-Dichloroethene	0.0200	0.0196		mg/Kg		98	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0193		mg/Kg		96	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0186		mg/Kg		93	80 - 124
1,2-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	80 - 120
1,2-Dichloroethane	0.0200	0.0192		mg/Kg		96	70 - 123
1,2-Dichloropropane	0.0200	0.0178		mg/Kg		89	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0189		mg/Kg		95	70 - 120
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.0883		mg/Kg		88	64 - 128
2-Hexanone	0.100	0.0923		mg/Kg		92	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0942		mg/Kg		94	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031235/3
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	0.100	0.0851		mg/Kg		85	58 - 122
Benzene	0.0200	0.0183		mg/Kg		91	75 - 120
Bromoform	0.0200	0.0187		mg/Kg		93	61 - 125
Bromomethane	0.0200	0.0190		mg/Kg		95	37 - 150
Carbon disulfide	0.0200	0.0229		mg/Kg		115	57 - 133
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127
Chlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0184		mg/Kg		92	76 - 127
Chlorodibromomethane	0.0200	0.0183		mg/Kg		92	72 - 120
Chloroethane	0.0200	0.0180		mg/Kg		90	60 - 123
Chloroform	0.0200	0.0186		mg/Kg		93	79 - 126
Chloromethane	0.0200	0.0199		mg/Kg		100	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0180		mg/Kg		90	75 - 120
Cyclohexane	0.0200	0.0208		mg/Kg		104	65 - 132
Dichlorobromomethane	0.0200	0.0185		mg/Kg		92	77 - 124
Dichlorodifluoromethane	0.0200	0.0206		mg/Kg		103	45 - 129
Ethylbenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Ethylene Dibromide	0.0200	0.0182		mg/Kg		91	79 - 120
Isopropylbenzene	0.0200	0.0191		mg/Kg		95	74 - 120
Methyl acetate	0.0400	0.0369		mg/Kg		92	57 - 120
Methyl tert-butyl ether	0.0200	0.0175		mg/Kg		88	74 - 125
Methylcyclohexane	0.0200	0.0199		mg/Kg		99	66 - 125
Methylene Chloride	0.0200	0.0181		mg/Kg		90	78 - 120
m-Xylene & p-Xylene	0.0200	0.0189		mg/Kg		95	80 - 120
n-Butylbenzene	0.0200	0.0193		mg/Kg		97	72 - 120
N-Propylbenzene	0.0200	0.0189		mg/Kg		94	68 - 120
o-Xylene	0.0200	0.0189		mg/Kg		95	80 - 120
sec-Butylbenzene	0.0200	0.0197		mg/Kg		99	78 - 120
Styrene	0.0200	0.0188		mg/Kg		94	80 - 120
tert-Butylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120
Tetrachloroethene	0.0200	0.0204		mg/Kg		102	73 - 120
Toluene	0.0200	0.0184		mg/Kg		92	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0178		mg/Kg		89	77 - 120
Trichloroethene	0.0200	0.0185		mg/Kg		92	80 - 120
Trichlorofluoromethane	0.0200	0.0199		mg/Kg		99	61 - 130
Vinyl chloride	0.0200	0.0195		mg/Kg		97	54 - 122
Xylenes, Total	0.0400	0.0378		mg/Kg		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*65 - 138*
4-Bromofluorobenzene	*98*		*71 - 128*
Dibromofluoromethane (Surr)	*94*		*50 - 150*
Toluene-d8 (Surr)	*90*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031235/4
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0194		mg/Kg		97	78 - 120	2	30
1,1,2,2-Tetrachloroethane			0.0200	0.0180		mg/Kg		90	70 - 133	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0217		mg/Kg		109	75 - 121	9	30
1,1,2-Trichloroethane			0.0200	0.0174		mg/Kg		87	80 - 120	2	30
1,1-Dichloroethane			0.0200	0.0190		mg/Kg		95	72 - 120	2	30
1,1-Dichloroethene			0.0200	0.0194		mg/Kg		97	76 - 120	1	30
1,2,3-Trichlorobenzene			0.0200	0.0202		mg/Kg		101	77 - 137	3	30
1,2,4-Trichlorobenzene			0.0200	0.0203		mg/Kg		101	77 - 136	2	30
1,2,4-Trimethylbenzene			0.0200	0.0198		mg/Kg		99	75 - 120	3	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0176		mg/Kg		88	80 - 124	5	30
1,2-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 120	4	30
1,2-Dichloroethane			0.0200	0.0195		mg/Kg		97	70 - 123	1	30
1,2-Dichloropropane			0.0200	0.0180		mg/Kg		90	73 - 124	1	30
1,3,5-Trimethylbenzene			0.0200	0.0194		mg/Kg		97	70 - 120	2	30
1,3-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	0	30
1,4-Dichlorobenzene			0.0200	0.0190		mg/Kg		95	80 - 120	2	30
2-Butanone (MEK)			0.100	0.0886		mg/Kg		89	64 - 128	0	30
2-Hexanone			0.100	0.0951		mg/Kg		95	75 - 120	3	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0945		mg/Kg		94	80 - 120	0	30
Acetone			0.100	0.0854		mg/Kg		85	58 - 122	0	30
Benzene			0.0200	0.0189		mg/Kg		95	75 - 120	3	30
Bromoform			0.0200	0.0191		mg/Kg		95	61 - 125	2	30
Bromomethane			0.0200	0.0199		mg/Kg		99	37 - 150	5	30
Carbon disulfide			0.0200	0.0230		mg/Kg		115	57 - 133	0	30
Carbon tetrachloride			0.0200	0.0201		mg/Kg		100	66 - 127	3	30
Chlorobenzene			0.0200	0.0187		mg/Kg		93	80 - 120	0	30
Chlorobromomethane			0.0200	0.0185		mg/Kg		93	76 - 127	1	30
Chlorodibromomethane			0.0200	0.0188		mg/Kg		94	72 - 120	3	30
Chloroethane			0.0200	0.0202		mg/Kg		101	60 - 123	12	30
Chloroform			0.0200	0.0188		mg/Kg		94	79 - 126	1	30
Chloromethane			0.0200	0.0205		mg/Kg		103	46 - 122	3	30
cis-1,2-Dichloroethene			0.0200	0.0188		mg/Kg		94	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0188		mg/Kg		94	75 - 120	4	30
Cyclohexane			0.0200	0.0213		mg/Kg		106	65 - 132	2	30
Dichlorobromomethane			0.0200	0.0182		mg/Kg		91	77 - 124	2	30
Dichlorodifluoromethane			0.0200	0.0216		mg/Kg		108	45 - 129	5	30
Ethylbenzene			0.0200	0.0188		mg/Kg		94	80 - 120	0	30
Ethylene Dibromide			0.0200	0.0186		mg/Kg		93	79 - 120	2	30
Isopropylbenzene			0.0200	0.0200		mg/Kg		100	74 - 120	5	30
Methyl acetate			0.0400	0.0374		mg/Kg		94	57 - 120	1	30
Methyl tert-butyl ether			0.0200	0.0177		mg/Kg		89	74 - 125	1	30
Methylcyclohexane			0.0200	0.0203		mg/Kg		101	66 - 125	2	30
Methylene Chloride			0.0200	0.0187		mg/Kg		93	78 - 120	3	30
m-Xylene & p-Xylene			0.0200	0.0193		mg/Kg		96	80 - 120	2	30
n-Butylbenzene			0.0200	0.0197		mg/Kg		98	72 - 120	2	30
N-Propylbenzene			0.0200	0.0195		mg/Kg		97	68 - 120	3	30
o-Xylene			0.0200	0.0189		mg/Kg		95	80 - 120	0	30
sec-Butylbenzene			0.0200	0.0204		mg/Kg		102	78 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031235/4
Matrix: Solid
Analysis Batch: 1031235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Styrene			0.0200	0.0190		mg/Kg		95	80 - 120	1	30
tert-Butylbenzene			0.0200	0.0192		mg/Kg		96	80 - 120	1	30
Tetrachloroethene			0.0200	0.0205		mg/Kg		103	73 - 120	1	30
Toluene			0.0200	0.0187		mg/Kg		94	80 - 120	2	30
trans-1,2-Dichloroethene			0.0200	0.0195		mg/Kg		98	78 - 120	1	30
trans-1,3-Dichloropropene			0.0200	0.0183		mg/Kg		91	77 - 120	2	30
Trichloroethene			0.0200	0.0193		mg/Kg		97	80 - 120	4	30
Trichlorofluoromethane			0.0200	0.0205		mg/Kg		103	61 - 130	3	30
Vinyl chloride			0.0200	0.0208		mg/Kg		104	54 - 122	7	30
Xylenes, Total			0.0400	0.0382		mg/Kg		96	80 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*94*		*50 - 150*
Toluene-d8 (Surr)	*90*		*71 - 126*

Lab Sample ID: MB 460-1031261/7
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:54	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:54	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:54	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:54	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:54	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/12/25 18:54	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:54	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:54	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:54	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:54	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:54	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:54	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:54	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/12/25 18:54	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:54	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/12/25 18:54	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/12/25 18:54	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/12/25 18:54	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/12/25 18:54	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/12/25 18:54	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/12/25 18:54	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/12/25 18:54	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:54	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/12/25 18:54	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:54	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031261/7
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:54	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/12/25 18:54	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:54	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/12/25 18:54	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/12/25 18:54	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:54	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:54	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/12/25 18:54	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/12/25 18:54	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/12/25 18:54	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/12/25 18:54	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:54	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:54	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/12/25 18:54	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:54	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:54	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/12/25 18:54	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:54	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:54	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/12/25 18:54	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:54	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:54	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:54	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:54	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:54	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:54	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:54	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:54	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/12/25 18:54	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/12/25 18:54	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/12/25 18:54	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/12/25 18:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*		*04/12/25 18:54*	*1*
4-Bromofluorobenzene	*97*		*71 - 128*		*04/12/25 18:54*	*1*
Dibromofluoromethane (Surr)	*117*		*50 - 150*		*04/12/25 18:54*	*1*
Toluene-d8 (Surr)	*104*		*71 - 126*		*04/12/25 18:54*	*1*

Lab Sample ID: LCS 460-1031261/3
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0172		mg/Kg		86	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0161		mg/Kg		80	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0194		mg/Kg		97	75 - 121
1,1,2-Trichloroethane	0.0200	0.0172		mg/Kg		86	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031261/3
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	72 - 120
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0165		mg/Kg		82	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0155		mg/Kg		78	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0146	*	mg/Kg		73	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0169		mg/Kg		85	80 - 124
1,2-Dichlorobenzene	0.0200	0.0173		mg/Kg		87	80 - 120
1,2-Dichloroethane	0.0200	0.0174		mg/Kg		87	70 - 123
1,2-Dichloropropane	0.0200	0.0190		mg/Kg		95	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0148		mg/Kg		74	70 - 120
1,3-Dichlorobenzene	0.0200	0.0161		mg/Kg		80	80 - 120
1,4-Dichlorobenzene	0.0200	0.0161		mg/Kg		80	80 - 120
2-Butanone (MEK)	0.100	0.0860		mg/Kg		86	64 - 128
2-Hexanone	0.100	0.0830		mg/Kg		83	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0875		mg/Kg		87	80 - 120
Acetone	0.100	0.0889		mg/Kg		89	58 - 122
Benzene	0.0200	0.0178		mg/Kg		89	75 - 120
Bromoform	0.0200	0.0178		mg/Kg		89	61 - 125
Bromomethane	0.0200	0.0187		mg/Kg		94	37 - 150
Carbon disulfide	0.0200	0.0192		mg/Kg		96	57 - 133
Carbon tetrachloride	0.0200	0.0173		mg/Kg		87	66 - 127
Chlorobenzene	0.0200	0.0170		mg/Kg		85	80 - 120
Chlorobromomethane	0.0200	0.0205		mg/Kg		103	76 - 127
Chlorodibromomethane	0.0200	0.0174		mg/Kg		87	72 - 120
Chloroethane	0.0200	0.0191		mg/Kg		95	60 - 123
Chloroform	0.0200	0.0179		mg/Kg		89	79 - 126
Chloromethane	0.0200	0.0157		mg/Kg		78	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		84	75 - 120
Cyclohexane	0.0200	0.0185		mg/Kg		92	65 - 132
Dichlorobromomethane	0.0200	0.0178		mg/Kg		89	77 - 124
Dichlorodifluoromethane	0.0200	0.0168		mg/Kg		84	45 - 129
Ethylbenzene	0.0200	0.0165		mg/Kg		82	80 - 120
Ethylene Dibromide	0.0200	0.0173		mg/Kg		86	79 - 120
Isopropylbenzene	0.0200	0.0157		mg/Kg		79	74 - 120
Methyl acetate	0.0400	0.0395		mg/Kg		99	57 - 120
Methyl tert-butyl ether	0.0200	0.0178		mg/Kg		89	74 - 125
Methylcyclohexane	0.0200	0.0181		mg/Kg		90	66 - 125
Methylene Chloride	0.0200	0.0196		mg/Kg		98	78 - 120
m-Xylene & p-Xylene	0.0200	0.0156	*	mg/Kg		78	80 - 120
n-Butylbenzene	0.0200	0.0148		mg/Kg		74	72 - 120
N-Propylbenzene	0.0200	0.0151		mg/Kg		76	68 - 120
o-Xylene	0.0200	0.0169		mg/Kg		84	80 - 120
sec-Butylbenzene	0.0200	0.0150	*	mg/Kg		75	78 - 120
Styrene	0.0200	0.0163		mg/Kg		81	80 - 120
tert-Butylbenzene	0.0200	0.0152	*	mg/Kg		76	80 - 120
Tetrachloroethene	0.0200	0.0176		mg/Kg		88	73 - 120
Toluene	0.0200	0.0164		mg/Kg		82	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031261/3
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	0.0200	0.0161		mg/Kg		80	77 - 120
Trichloroethene	0.0200	0.0170		mg/Kg		85	80 - 120
Trichlorofluoromethane	0.0200	0.0162		mg/Kg		81	61 - 130
Vinyl chloride	0.0200	0.0185		mg/Kg		92	54 - 122
Xylenes, Total	0.0400	0.0324		mg/Kg		81	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*111*		*50 - 150*
Toluene-d8 (Surr)	*106*		*71 - 126*

Lab Sample ID: LCSD 460-1031261/4
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0186		mg/Kg		93	78 - 120	8	30
1,1,2,2-Tetrachloroethane	0.0200	0.0174		mg/Kg		87	70 - 133	8	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0202		mg/Kg		101	75 - 121	4	30
1,1,2-Trichloroethane	0.0200	0.0186		mg/Kg		93	80 - 120	8	30
1,1-Dichloroethane	0.0200	0.0200		mg/Kg		100	72 - 120	8	30
1,1-Dichloroethene	0.0200	0.0206		mg/Kg		103	76 - 120	6	30
1,2,3-Trichlorobenzene	0.0200	0.0180		mg/Kg		90	77 - 137	9	30
1,2,4-Trichlorobenzene	0.0200	0.0174		mg/Kg		87	77 - 136	12	30
1,2,4-Trimethylbenzene	0.0200	0.0160		mg/Kg		80	75 - 120	9	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0177		mg/Kg		88	80 - 124	4	30
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		92	80 - 120	7	30
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 123	9	30
1,2-Dichloropropane	0.0200	0.0207		mg/Kg		104	73 - 124	8	30
1,3,5-Trimethylbenzene	0.0200	0.0161		mg/Kg		81	70 - 120	8	30
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	12	30
1,4-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	80 - 120	11	30
2-Butanone (MEK)	0.100	0.0947		mg/Kg		95	64 - 128	10	30
2-Hexanone	0.100	0.0938		mg/Kg		94	75 - 120	12	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0996		mg/Kg		100	80 - 120	13	30
Acetone	0.100	0.0951		mg/Kg		95	58 - 122	7	30
Benzene	0.0200	0.0190		mg/Kg		95	75 - 120	7	30
Bromoform	0.0200	0.0195		mg/Kg		98	61 - 125	9	30
Bromomethane	0.0200	0.0209		mg/Kg		105	37 - 150	11	30
Carbon disulfide	0.0200	0.0205		mg/Kg		103	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127	7	30
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	13	30
Chlorobromomethane	0.0200	0.0222		mg/Kg		111	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0191		mg/Kg		96	72 - 120	9	30
Chloroethane	0.0200	0.0205		mg/Kg		103	60 - 123	7	30
Chloroform	0.0200	0.0194		mg/Kg		97	79 - 126	8	30
Chloromethane	0.0200	0.0172		mg/Kg		86	46 - 122	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031261/4
Matrix: Solid
Analysis Batch: 1031261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		103	80 - 123	9	30
cis-1,3-Dichloropropene	0.0200	0.0186		mg/Kg		93	75 - 120	11	30
Cyclohexane	0.0200	0.0199		mg/Kg		100	65 - 132	8	30
Dichlorobromomethane	0.0200	0.0193		mg/Kg		97	77 - 124	8	30
Dichlorodifluoromethane	0.0200	0.0187		mg/Kg		93	45 - 129	10	30
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120	12	30
Ethylene Dibromide	0.0200	0.0189		mg/Kg		94	79 - 120	9	30
Isopropylbenzene	0.0200	0.0174		mg/Kg		87	74 - 120	10	30
Methyl acetate	0.0400	0.0405		mg/Kg		101	57 - 120	3	30
Methyl tert-butyl ether	0.0200	0.0190		mg/Kg		95	74 - 125	7	30
Methylcyclohexane	0.0200	0.0191		mg/Kg		96	66 - 125	6	30
Methylene Chloride	0.0200	0.0212		mg/Kg		106	78 - 120	8	30
m-Xylene & p-Xylene	0.0200	0.0181		mg/Kg		90	80 - 120	15	30
n-Butylbenzene	0.0200	0.0165		mg/Kg		82	72 - 120	11	30
N-Propylbenzene	0.0200	0.0169		mg/Kg		85	68 - 120	11	30
o-Xylene	0.0200	0.0185		mg/Kg		92	80 - 120	9	30
sec-Butylbenzene	0.0200	0.0164		mg/Kg		82	78 - 120	9	30
Styrene	0.0200	0.0185		mg/Kg		93	80 - 120	13	30
tert-Butylbenzene	0.0200	0.0162		mg/Kg		81	80 - 120	6	30
Tetrachloroethene	0.0200	0.0194		mg/Kg		97	73 - 120	10	30
Toluene	0.0200	0.0178		mg/Kg		89	80 - 120	8	30
trans-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		102	78 - 120	9	30
trans-1,3-Dichloropropene	0.0200	0.0180		mg/Kg		90	77 - 120	11	30
Trichloroethene	0.0200	0.0191		mg/Kg		96	80 - 120	11	30
Trichlorofluoromethane	0.0200	0.0177		mg/Kg		89	61 - 130	9	30
Vinyl chloride	0.0200	0.0198		mg/Kg		99	54 - 122	7	30
Xylenes, Total	0.0400	0.0365		mg/Kg		91	80 - 120	12	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*91*		*71 - 128*
Dibromofluoromethane (Surr)	*102*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: MB 460-1031262/7
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:57	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/12/25 18:57	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031262/7
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:57	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:57	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:57	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:57	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/12/25 18:57	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/12/25 18:57	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/12/25 18:57	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/12/25 18:57	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/12/25 18:57	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/12/25 18:57	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/12/25 18:57	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/12/25 18:57	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/12/25 18:57	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:57	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/12/25 18:57	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/12/25 18:57	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/12/25 18:57	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/12/25 18:57	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/12/25 18:57	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/12/25 18:57	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/12/25 18:57	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:57	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/12/25 18:57	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:57	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:57	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/12/25 18:57	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:57	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/12/25 18:57	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:57	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:57	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:57	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:57	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:57	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/12/25 18:57	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/12/25 18:57	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/12/25 18:57	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/12/25 18:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		65 - 138		04/12/25 18:57	1
4-Bromofluorobenzene	106		71 - 128		04/12/25 18:57	1
Dibromofluoromethane (Surr)	102		50 - 150		04/12/25 18:57	1
Toluene-d8 (Surr)	96		71 - 126		04/12/25 18:57	1

Lab Sample ID: LCS 460-1031262/3
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		98	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0194		mg/Kg		97	75 - 121
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	80 - 120
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	72 - 120
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		95	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0187		mg/Kg		94	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0189		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0198		mg/Kg		99	80 - 124
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0194		mg/Kg		97	70 - 123
1,2-Dichloropropane	0.0200	0.0186		mg/Kg		93	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.0934		mg/Kg		93	64 - 128
2-Hexanone	0.100	0.0954		mg/Kg		95	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0969		mg/Kg		97	80 - 120
Acetone	0.100	0.0855		mg/Kg		86	58 - 122
Benzene	0.0200	0.0195		mg/Kg		97	75 - 120
Bromoform	0.0200	0.0200		mg/Kg		100	61 - 125
Bromomethane	0.0200	0.0184		mg/Kg		92	37 - 150
Carbon disulfide	0.0200	0.0225		mg/Kg		113	57 - 133
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0187		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0202		mg/Kg		101	72 - 120
Chloroethane	0.0200	0.0172		mg/Kg		86	60 - 123
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0193		mg/Kg		96	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0185		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0180		mg/Kg		90	77 - 124
Dichlorodifluoromethane	0.0200	0.0201		mg/Kg		101	45 - 129
Ethylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0202		mg/Kg		101	74 - 120
Methyl acetate	0.0400	0.0394		mg/Kg		99	57 - 120
Methyl tert-butyl ether	0.0200	0.0182		mg/Kg		91	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031262/3
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Methylcyclohexane	0.0200	0.0202		mg/Kg		101	66 - 125
Methylene Chloride	0.0200	0.0185		mg/Kg		93	78 - 120
m-Xylene & p-Xylene	0.0200	0.0197		mg/Kg		98	80 - 120
n-Butylbenzene	0.0200	0.0180		mg/Kg		90	72 - 120
N-Propylbenzene	0.0200	0.0190		mg/Kg		95	68 - 120
o-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0198		mg/Kg		99	78 - 120
Styrene	0.0200	0.0191		mg/Kg		96	80 - 120
tert-Butylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	73 - 120
Toluene	0.0200	0.0192		mg/Kg		96	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	77 - 120
Trichloroethene	0.0200	0.0197		mg/Kg		98	80 - 120
Trichlorofluoromethane	0.0200	0.0188		mg/Kg		94	61 - 130
Vinyl chloride	0.0200	0.0189		mg/Kg		95	54 - 122
Xylenes, Total	0.0400	0.0391		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*94*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: LCSD 460-1031262/4
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0186		mg/Kg		93	78 - 120	5	30
1,1,2,2-Tetrachloroethane	0.0200	0.0174		mg/Kg		87	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0191		mg/Kg		95	75 - 121	2	30
1,1,2-Trichloroethane	0.0200	0.0176		mg/Kg		88	80 - 120	9	30
1,1-Dichloroethane	0.0200	0.0183		mg/Kg		91	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0178		mg/Kg		89	77 - 136	5	30
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	80 - 124	14	30
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		95	70 - 123	3	30
1,2-Dichloropropane	0.0200	0.0177		mg/Kg		89	73 - 124	5	30
1,3,5-Trimethylbenzene	0.0200	0.0183		mg/Kg		91	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		90	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0897		mg/Kg		90	64 - 128	4	30
2-Hexanone	0.100	0.0918		mg/Kg		92	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0934		mg/Kg		93	80 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031262/4
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acetone			0.100	0.0811		mg/Kg		81	58 - 122	5	30
Benzene			0.0200	0.0189		mg/Kg		95	75 - 120	3	30
Bromoform			0.0200	0.0192		mg/Kg		96	61 - 125	4	30
Bromomethane			0.0200	0.0205		mg/Kg		103	37 - 150	11	30
Carbon disulfide			0.0200	0.0223		mg/Kg		112	57 - 133	1	30
Carbon tetrachloride			0.0200	0.0194		mg/Kg		97	66 - 127	1	30
Chlorobenzene			0.0200	0.0188		mg/Kg		94	80 - 120	3	30
Chlorobromomethane			0.0200	0.0181		mg/Kg		91	76 - 127	4	30
Chlorodibromomethane			0.0200	0.0187		mg/Kg		94	72 - 120	8	30
Chloroethane			0.0200	0.0189		mg/Kg		94	60 - 123	9	30
Chloroform			0.0200	0.0183		mg/Kg		92	79 - 126	3	30
Chloromethane			0.0200	0.0214		mg/Kg		107	46 - 122	10	30
cis-1,2-Dichloroethene			0.0200	0.0182		mg/Kg		91	80 - 123	2	30
cis-1,3-Dichloropropene			0.0200	0.0187		mg/Kg		94	75 - 120	6	30
Cyclohexane			0.0200	0.0198		mg/Kg		99	65 - 132	4	30
Dichlorobromomethane			0.0200	0.0176		mg/Kg		88	77 - 124	2	30
Dichlorodifluoromethane			0.0200	0.0212		mg/Kg		106	45 - 129	5	30
Ethylbenzene			0.0200	0.0184		mg/Kg		92	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0188		mg/Kg		94	79 - 120	5	30
Isopropylbenzene			0.0200	0.0190		mg/Kg		95	74 - 120	6	30
Methyl acetate			0.0400	0.0371		mg/Kg		93	57 - 120	6	30
Methyl tert-butyl ether			0.0200	0.0173		mg/Kg		87	74 - 125	5	30
Methylcyclohexane			0.0200	0.0196		mg/Kg		98	66 - 125	3	30
Methylene Chloride			0.0200	0.0178		mg/Kg		89	78 - 120	4	30
m-Xylene & p-Xylene			0.0200	0.0184		mg/Kg		92	80 - 120	7	30
n-Butylbenzene			0.0200	0.0178		mg/Kg		89	72 - 120	1	30
N-Propylbenzene			0.0200	0.0183		mg/Kg		91	68 - 120	4	30
o-Xylene			0.0200	0.0185		mg/Kg		92	80 - 120	5	30
sec-Butylbenzene			0.0200	0.0192		mg/Kg		96	78 - 120	3	30
Styrene			0.0200	0.0188		mg/Kg		94	80 - 120	2	30
tert-Butylbenzene			0.0200	0.0186		mg/Kg		93	80 - 120	5	30
Tetrachloroethene			0.0200	0.0195		mg/Kg		98	73 - 120	7	30
Toluene			0.0200	0.0185		mg/Kg		92	80 - 120	4	30
trans-1,2-Dichloroethene			0.0200	0.0186		mg/Kg		93	78 - 120	3	30
trans-1,3-Dichloropropene			0.0200	0.0181		mg/Kg		90	77 - 120	7	30
Trichloroethene			0.0200	0.0179		mg/Kg		90	80 - 120	9	30
Trichlorofluoromethane			0.0200	0.0210		mg/Kg		105	61 - 130	11	30
Vinyl chloride			0.0200	0.0202		mg/Kg		101	54 - 122	7	30
Xylenes, Total			0.0400	0.0369		mg/Kg		92	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*96*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031356/7
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:32	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/13/25 06:32	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:32	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:32	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:32	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/13/25 06:32	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:32	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/13/25 06:32	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/13/25 06:32	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:32	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/13/25 06:32	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/13/25 06:32	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/13/25 06:32	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/13/25 06:32	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:32	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/13/25 06:32	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/13/25 06:32	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/13/25 06:32	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/13/25 06:32	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/13/25 06:32	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/13/25 06:32	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/13/25 06:32	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:32	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/13/25 06:32	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/13/25 06:32	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:32	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/13/25 06:32	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:32	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/13/25 06:32	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/13/25 06:32	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:32	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:32	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/13/25 06:32	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/13/25 06:32	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/13/25 06:32	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/13/25 06:32	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/13/25 06:32	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:32	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/13/25 06:32	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/13/25 06:32	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/13/25 06:32	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/13/25 06:32	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/13/25 06:32	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:32	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/13/25 06:32	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/13/25 06:32	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:32	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031356/7
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/13/25 06:32	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/13/25 06:32	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/13/25 06:32	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:32	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/13/25 06:32	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:32	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/13/25 06:32	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/13/25 06:32	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/13/25 06:32	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/13/25 06:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*65 - 138*		*04/13/25 06:32*	*1*
4-Bromofluorobenzene	*95*		*71 - 128*		*04/13/25 06:32*	*1*
Dibromofluoromethane (Surr)	*125*		*50 - 150*		*04/13/25 06:32*	*1*
Toluene-d8 (Surr)	*103*		*71 - 126*		*04/13/25 06:32*	*1*

Lab Sample ID: LCS 460-1031356/3
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0203		mg/Kg		102	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0171		mg/Kg		85	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0226		mg/Kg		113	75 - 121
1,1,2-Trichloroethane	0.0200	0.0193		mg/Kg		97	80 - 120
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		102	72 - 120
1,1-Dichloroethene	0.0200	0.0223		mg/Kg		112	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0182		mg/Kg		91	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0175		mg/Kg		88	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0161		mg/Kg		80	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0181		mg/Kg		91	80 - 124
1,2-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
1,2-Dichloroethane	0.0200	0.0198		mg/Kg		99	70 - 123
1,2-Dichloropropane	0.0200	0.0210		mg/Kg		105	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0166		mg/Kg		83	70 - 120
1,3-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120
2-Butanone (MEK)	0.100	0.0957		mg/Kg		96	64 - 128
2-Hexanone	0.100	0.0893		mg/Kg		89	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0949		mg/Kg		95	80 - 120
Acetone	0.100	0.0969		mg/Kg		97	58 - 122
Benzene	0.0200	0.0190		mg/Kg		95	75 - 120
Bromoform	0.0200	0.0214		mg/Kg		107	61 - 125
Bromomethane	0.0200	0.0212		mg/Kg		106	37 - 150
Carbon disulfide	0.0200	0.0217		mg/Kg		108	57 - 133
Carbon tetrachloride	0.0200	0.0208		mg/Kg		104	66 - 127
Chlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031356/3
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0232		mg/Kg		116	76 - 127
Chlorodibromomethane	0.0200	0.0198		mg/Kg		99	72 - 120
Chloroethane	0.0200	0.0215		mg/Kg		107	60 - 123
Chloroform	0.0200	0.0203		mg/Kg		102	79 - 126
Chloromethane	0.0200	0.0166		mg/Kg		83	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		92	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0200		mg/Kg		100	77 - 124
Dichlorodifluoromethane	0.0200	0.0203		mg/Kg		101	45 - 129
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120
Ethylene Dibromide	0.0200	0.0193		mg/Kg		97	79 - 120
Isopropylbenzene	0.0200	0.0180		mg/Kg		90	74 - 120
Methyl acetate	0.0400	0.0441		mg/Kg		110	57 - 120
Methyl tert-butyl ether	0.0200	0.0194		mg/Kg		97	74 - 125
Methylcyclohexane	0.0200	0.0204		mg/Kg		102	66 - 125
Methylene Chloride	0.0200	0.0219		mg/Kg		109	78 - 120
m-Xylene & p-Xylene	0.0200	0.0179		mg/Kg		89	80 - 120
n-Butylbenzene	0.0200	0.0174		mg/Kg		87	72 - 120
N-Propylbenzene	0.0200	0.0168		mg/Kg		84	68 - 120
o-Xylene	0.0200	0.0180		mg/Kg		90	80 - 120
sec-Butylbenzene	0.0200	0.0164		mg/Kg		82	78 - 120
Styrene	0.0200	0.0184		mg/Kg		92	80 - 120
tert-Butylbenzene	0.0200	0.0161		mg/Kg		80	80 - 120
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	73 - 120
Toluene	0.0200	0.0179		mg/Kg		89	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0218		mg/Kg		109	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0178		mg/Kg		89	77 - 120
Trichloroethene	0.0200	0.0201		mg/Kg		100	80 - 120
Trichlorofluoromethane	0.0200	0.0194		mg/Kg		97	61 - 130
Vinyl chloride	0.0200	0.0201		mg/Kg		101	54 - 122
Xylenes, Total	0.0400	0.0359		mg/Kg		90	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*116*		*50 - 150*
Toluene-d8 (Surr)	*105*		*71 - 126*

Lab Sample ID: LCSD 460-1031356/4
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0217		mg/Kg		108	78 - 120	6	30
1,1,2,2-Tetrachloroethane	0.0200	0.0183		mg/Kg		91	70 - 133	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0240		mg/Kg		120	75 - 121	6	30
1,1,2-Trichloroethane	0.0200	0.0203		mg/Kg		101	80 - 120	5	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031356/4
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0220		mg/Kg		110	72 - 120	7	30
1,1-Dichloroethene	0.0200	0.0235		mg/Kg		118	76 - 120	5	30
1,2,3-Trichlorobenzene	0.0200	0.0201		mg/Kg		100	77 - 137	10	30
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		96	77 - 136	9	30
1,2,4-Trimethylbenzene	0.0200	0.0176		mg/Kg		88	75 - 120	9	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0198		mg/Kg		99	80 - 124	9	30
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 120	9	30
1,2-Dichloroethane	0.0200	0.0207		mg/Kg		104	70 - 123	4	30
1,2-Dichloropropane	0.0200	0.0222		mg/Kg		111	73 - 124	5	30
1,3,5-Trimethylbenzene	0.0200	0.0179		mg/Kg		90	70 - 120	7	30
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120	6	30
1,4-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120	7	30
2-Butanone (MEK)	0.100	0.103		mg/Kg		103	64 - 128	7	30
2-Hexanone	0.100	0.0965		mg/Kg		96	75 - 120	8	30
4-Methyl-2-pentanone (MIBK)	0.100	0.101		mg/Kg		101	80 - 120	6	30
Acetone	0.100	0.101		mg/Kg		101	58 - 122	4	30
Benzene	0.0200	0.0204		mg/Kg		102	75 - 120	7	30
Bromoform	0.0200	0.0219		mg/Kg		109	61 - 125	2	30
Bromomethane	0.0200	0.0224		mg/Kg		112	37 - 150	5	30
Carbon disulfide	0.0200	0.0232		mg/Kg		116	57 - 133	7	30
Carbon tetrachloride	0.0200	0.0221		mg/Kg		110	66 - 127	6	30
Chlorobenzene	0.0200	0.0206		mg/Kg		103	80 - 120	6	30
Chlorobromomethane	0.0200	0.0250		mg/Kg		125	76 - 127	8	30
Chlorodibromomethane	0.0200	0.0207		mg/Kg		103	72 - 120	4	30
Chloroethane	0.0200	0.0229		mg/Kg		115	60 - 123	6	30
Chloroform	0.0200	0.0215		mg/Kg		108	79 - 126	6	30
Chloromethane	0.0200	0.0187		mg/Kg		94	46 - 122	12	30
cis-1,2-Dichloroethene	0.0200	0.0229		mg/Kg		114	80 - 123	10	30
cis-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	75 - 120	5	30
Cyclohexane	0.0200	0.0228		mg/Kg		114	65 - 132	10	30
Dichlorobromomethane	0.0200	0.0208		mg/Kg		104	77 - 124	4	30
Dichlorodifluoromethane	0.0200	0.0201		mg/Kg		101	45 - 129	1	30
Ethylbenzene	0.0200	0.0205		mg/Kg		102	80 - 120	11	30
Ethylene Dibromide	0.0200	0.0205		mg/Kg		103	79 - 120	6	30
Isopropylbenzene	0.0200	0.0193		mg/Kg		97	74 - 120	7	30
Methyl acetate	0.0400	0.0442		mg/Kg		111	57 - 120	0	30
Methyl tert-butyl ether	0.0200	0.0206		mg/Kg		103	74 - 125	6	30
Methylcyclohexane	0.0200	0.0224		mg/Kg		112	66 - 125	9	30
Methylene Chloride	0.0200	0.0233		mg/Kg		117	78 - 120	6	30
m-Xylene & p-Xylene	0.0200	0.0193		mg/Kg		96	80 - 120	8	30
n-Butylbenzene	0.0200	0.0188		mg/Kg		94	72 - 120	8	30
N-Propylbenzene	0.0200	0.0184		mg/Kg		92	68 - 120	9	30
o-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120	8	30
sec-Butylbenzene	0.0200	0.0180		mg/Kg		90	78 - 120	9	30
Styrene	0.0200	0.0201		mg/Kg		100	80 - 120	8	30
tert-Butylbenzene	0.0200	0.0177		mg/Kg		89	80 - 120	10	30
Tetrachloroethene	0.0200	0.0220		mg/Kg		110	73 - 120	7	30
Toluene	0.0200	0.0193		mg/Kg		96	80 - 120	8	30
trans-1,2-Dichloroethene	0.0200	0.0226		mg/Kg		113	78 - 120	4	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031356/4
Matrix: Solid
Analysis Batch: 1031356

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0189		mg/Kg		95	77 - 120	6	30
Trichloroethene			0.0200	0.0210		mg/Kg		105	80 - 120	5	30
Trichlorofluoromethane			0.0200	0.0206		mg/Kg		103	61 - 130	6	30
Vinyl chloride			0.0200	0.0213		mg/Kg		107	54 - 122	6	30
Xylenes, Total			0.0400	0.0387		mg/Kg		97	80 - 120	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*115*		*50 - 150*
Toluene-d8 (Surr)	*104*		*71 - 126*

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323490-13 DU
Matrix: Solid
Analysis Batch: 1030152

Client Sample ID: 13B3_2-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	6.5			9.7	*	%				39	20
Percent Solids	93.5			90.3		%				3	20

Lab Sample ID: 460-323490-20 DU
Matrix: Solid
Analysis Batch: 1030152

Client Sample ID: 13C3_4-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.2			11.8	*	%				25	20
Percent Solids	90.8			88.2		%				3	20

Lab Sample ID: 460-323490-30 DU
Matrix: Solid
Analysis Batch: 1030152

Client Sample ID: 15B1_7-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.8			11.8	*	%				29	20
Percent Solids	91.2			88.2		%				3	20

Lab Sample ID: 460-323490-50 DU
Matrix: Solid
Analysis Batch: 1030152

Client Sample ID: 18A1_1-2
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.1			12.2	*	%				30	20
Percent Solids	90.9			87.8		%				4	20

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

GC/MS VOA

Prep Batch: 1030029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-1	13A1_2-3	Total/NA	Solid	5035	
460-323490-2	13A1_4-5	Total/NA	Solid	5035	
460-323490-3	13A2_6-7	Total/NA	Solid	5035	
460-323490-4	13A2_8-9	Total/NA	Solid	5035	
460-323490-5	13A2_9-10	Total/NA	Solid	5035	
460-323490-6	13A3_1-2	Total/NA	Solid	5035	
460-323490-7	13A3_6-7	Total/NA	Solid	5035	
460-323490-8	13B1_3-4	Total/NA	Solid	5035	
460-323490-9	13B1_7-8	Total/NA	Solid	5035	
460-323490-10	13B1_9-10	Total/NA	Solid	5035	
460-323490-11	13B2_2-3	Total/NA	Solid	5035	
460-323490-12	13B2_5-6	Total/NA	Solid	5035	
460-323490-13	13B3_2-3	Total/NA	Solid	5035	
460-323490-14	13B3_7-8	Total/NA	Solid	5035	
460-323490-15	13C1_0-1	Total/NA	Solid	5035	
460-323490-16	13C1_3-4	Total/NA	Solid	5035	
460-323490-17	13C2_3-4	Total/NA	Solid	5035	
460-323490-18	13C2_6-7	Total/NA	Solid	5035	
460-323490-19	13C3_1-2	Total/NA	Solid	5035	
460-323490-20	13C3_4-5	Total/NA	Solid	5035	
460-323490-21	13C3_7-8	Total/NA	Solid	5035	
460-323490-22	15A1_2-3	Total/NA	Solid	5035	
460-323490-23	15A1_6-7	Total/NA	Solid	5035	
460-323490-24	15A1_7-8	Total/NA	Solid	5035	
460-323490-25	15A2_1-2	Total/NA	Solid	5035	
460-323490-26	15A2_3-4	Total/NA	Solid	5035	
460-323490-27	15A3_4-5	Total/NA	Solid	5035	
460-323490-28	15A3_7-8	Total/NA	Solid	5035	
460-323490-29	15B1_3-4	Total/NA	Solid	5035	
460-323490-30	15B1_7-8	Total/NA	Solid	5035	
460-323490-31	15B2_1-2	Total/NA	Solid	5035	
460-323490-32	15B2_3-4	Total/NA	Solid	5035	
460-323490-33	15B2_6-7	Total/NA	Solid	5035	
460-323490-34	15B3_0-1	Total/NA	Solid	5035	
460-323490-35	15B3_3-4	Total/NA	Solid	5035	
460-323490-36	17A1_2-3	Total/NA	Solid	5035	
460-323490-37	17A1_7-8	Total/NA	Solid	5035	
460-323490-38	17A1_3-4	Total/NA	Solid	5035	
460-323490-39	17A2_6-7	Total/NA	Solid	5035	
460-323490-40	17A2_7-8	Total/NA	Solid	5035	
460-323490-41	17A3_2-3	Total/NA	Solid	5035	
460-323490-42	17A3_5-6	Total/NA	Solid	5035	
460-323490-43	17B1_2-3	Total/NA	Solid	5035	
460-323490-44	17B1_5-6	Total/NA	Solid	5035	
460-323490-45	17B2_0-1	Total/NA	Solid	5035	
460-323490-46	17B2_5-6	Total/NA	Solid	5035	
460-323490-47	17B3_3-4	Total/NA	Solid	5035	
460-323490-48	17B3_6-7	Total/NA	Solid	5035	

GC/MS VOA

Prep Batch: 1030050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-49	17B3_7-8	Total/NA	Solid	5035	
460-323490-50	18A1_1-2	Total/NA	Solid	5035	
460-323490-51	18A1_4-5	Total/NA	Solid	5035	
460-323490-52	18A1_7-8	Total/NA	Solid	5035	
460-323490-53	18A2_2-3	Total/NA	Solid	5035	
460-323490-54	18A2_8-9	Total/NA	Solid	5035	
460-323490-55	18A3_3-4	Total/NA	Solid	5035	
460-323490-56	18A3_6-7	Total/NA	Solid	5035	
460-323490-57	18B1_1-2	Total/NA	Solid	5035	
460-323490-58	18B1_7-8	Total/NA	Solid	5035	
460-323490-59	18B2_0-1	Total/NA	Solid	5035	
460-323490-60	18B2_7-8	Total/NA	Solid	5035	
460-323490-61	18B2_5-6	Total/NA	Solid	5035	
460-323490-62	18B3_2-3	Total/NA	Solid	5035	
460-323490-63	18B3_5-6	Total/NA	Solid	5035	
460-323490-64	18C1_0-1	Total/NA	Solid	5035	
460-323490-65	18C1_5-6	Total/NA	Solid	5035	
460-323490-66	18C2_3-4	Total/NA	Solid	5035	
460-323490-67	18C2_6-7	Total/NA	Solid	5035	
460-323490-68	18C3_4-5	Total/NA	Solid	5035	
460-323490-69	18C3_7-8	Total/NA	Solid	5035	
460-323490-70	18C3_9-10	Total/NA	Solid	5035	
460-323490-71	18D1_0-1	Total/NA	Solid	5035	
460-323490-72	18D1_6-7	Total/NA	Solid	5035	
460-323490-73	18D1_8-9	Total/NA	Solid	5035	
460-323490-74	18D2_1-2	Total/NA	Solid	5035	
460-323490-75	18D2_5-6	Total/NA	Solid	5035	
460-323490-76	18D3_3-4	Total/NA	Solid	5035	
460-323490-77	18D3_7-8	Total/NA	Solid	5035	

Analysis Batch: 1030982

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-1	13A1_2-3	Total/NA	Solid	8260D	1030029
460-323490-2	13A1_4-5	Total/NA	Solid	8260D	1030029
460-323490-3	13A2_6-7	Total/NA	Solid	8260D	1030029
460-323490-4	13A2_8-9	Total/NA	Solid	8260D	1030029
460-323490-5	13A2_9-10	Total/NA	Solid	8260D	1030029
460-323490-6	13A3_1-2	Total/NA	Solid	8260D	1030029
460-323490-7	13A3_6-7	Total/NA	Solid	8260D	1030029
460-323490-8	13B1_3-4	Total/NA	Solid	8260D	1030029
460-323490-9	13B1_7-8	Total/NA	Solid	8260D	1030029
460-323490-10	13B1_9-10	Total/NA	Solid	8260D	1030029
460-323490-11	13B2_2-3	Total/NA	Solid	8260D	1030029
460-323490-12	13B2_5-6	Total/NA	Solid	8260D	1030029
460-323490-13	13B3_2-3	Total/NA	Solid	8260D	1030029
460-323490-14	13B3_7-8	Total/NA	Solid	8260D	1030029
MB 460-1030982/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1030982/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1030982/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS VOA

Analysis Batch: 1031170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-57	18B1_1-2	Total/NA	Solid	8260D	1030050
460-323490-60	18B2_7-8	Total/NA	Solid	8260D	1030050
460-323490-61	18B2_5-6	Total/NA	Solid	8260D	1030050
460-323490-62	18B3_2-3	Total/NA	Solid	8260D	1030050
460-323490-63	18B3_5-6	Total/NA	Solid	8260D	1030050
460-323490-64	18C1_0-1	Total/NA	Solid	8260D	1030050
460-323490-65	18C1_5-6	Total/NA	Solid	8260D	1030050
460-323490-66	18C2_3-4	Total/NA	Solid	8260D	1030050
460-323490-67	18C2_6-7	Total/NA	Solid	8260D	1030050
460-323490-68	18C3_4-5	Total/NA	Solid	8260D	1030050
460-323490-69	18C3_7-8	Total/NA	Solid	8260D	1030050
MB 460-1031170/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031170/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031170/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-15	13C1_0-1	Total/NA	Solid	8260D	1030029
460-323490-16	13C1_3-4	Total/NA	Solid	8260D	1030029
460-323490-17	13C2_3-4	Total/NA	Solid	8260D	1030029
460-323490-18	13C2_6-7	Total/NA	Solid	8260D	1030029
460-323490-19	13C3_1-2	Total/NA	Solid	8260D	1030029
460-323490-20	13C3_4-5	Total/NA	Solid	8260D	1030029
460-323490-21	13C3_7-8	Total/NA	Solid	8260D	1030029
460-323490-23	15A1_6-7	Total/NA	Solid	8260D	1030029
460-323490-24	15A1_7-8	Total/NA	Solid	8260D	1030029
460-323490-25	15A2_1-2	Total/NA	Solid	8260D	1030029
460-323490-26	15A2_3-4	Total/NA	Solid	8260D	1030029
460-323490-27	15A3_4-5	Total/NA	Solid	8260D	1030029
460-323490-28	15A3_7-8	Total/NA	Solid	8260D	1030029
460-323490-29	15B1_3-4	Total/NA	Solid	8260D	1030029
460-323490-30	15B1_7-8	Total/NA	Solid	8260D	1030029
460-323490-31	15B2_1-2	Total/NA	Solid	8260D	1030029
460-323490-32	15B2_3-4	Total/NA	Solid	8260D	1030029
460-323490-33	15B2_6-7	Total/NA	Solid	8260D	1030029
460-323490-34	15B3_0-1	Total/NA	Solid	8260D	1030029
MB 460-1031173/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031173/4	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031173/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-22	15A1_2-3	Total/NA	Solid	8260D	1030029
460-323490-35	15B3_3-4	Total/NA	Solid	8260D	1030029
460-323490-36	17A1_2-3	Total/NA	Solid	8260D	1030029
MB 460-1031234/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031234/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031234/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS VOA

Analysis Batch: 1031235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-37	17A1_7-8	Total/NA	Solid	8260D	1030029
460-323490-38	17A1_3-4	Total/NA	Solid	8260D	1030029
460-323490-39	17A2_6-7	Total/NA	Solid	8260D	1030029
460-323490-40	17A2_7-8	Total/NA	Solid	8260D	1030029
460-323490-41	17A3_2-3	Total/NA	Solid	8260D	1030029
460-323490-42	17A3_5-6	Total/NA	Solid	8260D	1030029
460-323490-43	17B1_2-3	Total/NA	Solid	8260D	1030029
460-323490-44	17B1_5-6	Total/NA	Solid	8260D	1030029
MB 460-1031235/8	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031235/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031235/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-45	17B2_0-1	Total/NA	Solid	8260D	1030029
460-323490-46	17B2_5-6	Total/NA	Solid	8260D	1030029
460-323490-47	17B3_3-4	Total/NA	Solid	8260D	1030029
460-323490-49	17B3_7-8	Total/NA	Solid	8260D	1030050
460-323490-50	18A1_1-2	Total/NA	Solid	8260D	1030050
460-323490-51	18A1_4-5	Total/NA	Solid	8260D	1030050
460-323490-52	18A1_7-8	Total/NA	Solid	8260D	1030050
460-323490-53	18A2_2-3	Total/NA	Solid	8260D	1030050
460-323490-54	18A2_8-9	Total/NA	Solid	8260D	1030050
460-323490-55	18A3_3-4	Total/NA	Solid	8260D	1030050
460-323490-56	18A3_6-7	Total/NA	Solid	8260D	1030050
460-323490-58	18B1_7-8	Total/NA	Solid	8260D	1030050
460-323490-59	18B2_0-1	Total/NA	Solid	8260D	1030050
460-323490-70	18C3_9-10	Total/NA	Solid	8260D	1030050
460-323490-71	18D1_0-1	Total/NA	Solid	8260D	1030050
460-323490-72	18D1_6-7	Total/NA	Solid	8260D	1030050
460-323490-73	18D1_8-9	Total/NA	Solid	8260D	1030050
460-323490-74	18D2_1-2	Total/NA	Solid	8260D	1030050
460-323490-75	18D2_5-6	Total/NA	Solid	8260D	1030050
MB 460-1031261/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031261/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031261/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-76	18D3_3-4	Total/NA	Solid	8260D	1030050
460-323490-77	18D3_7-8	Total/NA	Solid	8260D	1030050
MB 460-1031262/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031262/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031262/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-48	17B3_6-7	Total/NA	Solid	8260D	1030029
MB 460-1031356/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031356/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031356/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1030152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-1	13A1_2-3	Total/NA	Solid	Moisture	
460-323490-2	13A1_4-5	Total/NA	Solid	Moisture	
460-323490-3	13A2_6-7	Total/NA	Solid	Moisture	
460-323490-4	13A2_8-9	Total/NA	Solid	Moisture	
460-323490-5	13A2_9-10	Total/NA	Solid	Moisture	
460-323490-6	13A3_1-2	Total/NA	Solid	Moisture	
460-323490-7	13A3_6-7	Total/NA	Solid	Moisture	
460-323490-8	13B1_3-4	Total/NA	Solid	Moisture	
460-323490-9	13B1_7-8	Total/NA	Solid	Moisture	
460-323490-10	13B1_9-10	Total/NA	Solid	Moisture	
460-323490-11	13B2_2-3	Total/NA	Solid	Moisture	
460-323490-12	13B2_5-6	Total/NA	Solid	Moisture	
460-323490-13	13B3_2-3	Total/NA	Solid	Moisture	
460-323490-14	13B3_7-8	Total/NA	Solid	Moisture	
460-323490-15	13C1_0-1	Total/NA	Solid	Moisture	
460-323490-16	13C1_3-4	Total/NA	Solid	Moisture	
460-323490-17	13C2_3-4	Total/NA	Solid	Moisture	
460-323490-18	13C2_6-7	Total/NA	Solid	Moisture	
460-323490-19	13C3_1-2	Total/NA	Solid	Moisture	
460-323490-20	13C3_4-5	Total/NA	Solid	Moisture	
460-323490-21	13C3_7-8	Total/NA	Solid	Moisture	
460-323490-22	15A1_2-3	Total/NA	Solid	Moisture	
460-323490-23	15A1_6-7	Total/NA	Solid	Moisture	
460-323490-24	15A1_7-8	Total/NA	Solid	Moisture	
460-323490-25	15A2_1-2	Total/NA	Solid	Moisture	
460-323490-26	15A2_3-4	Total/NA	Solid	Moisture	
460-323490-27	15A3_4-5	Total/NA	Solid	Moisture	
460-323490-28	15A3_7-8	Total/NA	Solid	Moisture	
460-323490-29	15B1_3-4	Total/NA	Solid	Moisture	
460-323490-30	15B1_7-8	Total/NA	Solid	Moisture	
460-323490-31	15B2_1-2	Total/NA	Solid	Moisture	
460-323490-32	15B2_3-4	Total/NA	Solid	Moisture	
460-323490-33	15B2_6-7	Total/NA	Solid	Moisture	
460-323490-34	15B3_0-1	Total/NA	Solid	Moisture	
460-323490-35	15B3_3-4	Total/NA	Solid	Moisture	
460-323490-36	17A1_2-3	Total/NA	Solid	Moisture	
460-323490-37	17A1_7-8	Total/NA	Solid	Moisture	
460-323490-38	17A1_3-4	Total/NA	Solid	Moisture	
460-323490-39	17A2_6-7	Total/NA	Solid	Moisture	
460-323490-40	17A2_7-8	Total/NA	Solid	Moisture	
460-323490-41	17A3_2-3	Total/NA	Solid	Moisture	
460-323490-42	17A3_5-6	Total/NA	Solid	Moisture	
460-323490-43	17B1_2-3	Total/NA	Solid	Moisture	
460-323490-44	17B1_5-6	Total/NA	Solid	Moisture	
460-323490-45	17B2_0-1	Total/NA	Solid	Moisture	
460-323490-46	17B2_5-6	Total/NA	Solid	Moisture	
460-323490-47	17B3_3-4	Total/NA	Solid	Moisture	
460-323490-48	17B3_6-7	Total/NA	Solid	Moisture	
460-323490-49	17B3_7-8	Total/NA	Solid	Moisture	
460-323490-50	18A1_1-2	Total/NA	Solid	Moisture	
460-323490-51	18A1_4-5	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1030152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323490-52	18A1_7-8	Total/NA	Solid	Moisture	
460-323490-53	18A2_2-3	Total/NA	Solid	Moisture	
460-323490-54	18A2_8-9	Total/NA	Solid	Moisture	
460-323490-55	18A3_3-4	Total/NA	Solid	Moisture	
460-323490-56	18A3_6-7	Total/NA	Solid	Moisture	
460-323490-57	18B1_1-2	Total/NA	Solid	Moisture	
460-323490-58	18B1_7-8	Total/NA	Solid	Moisture	
460-323490-59	18B2_0-1	Total/NA	Solid	Moisture	
460-323490-60	18B2_7-8	Total/NA	Solid	Moisture	
460-323490-61	18B2_5-6	Total/NA	Solid	Moisture	
460-323490-62	18B3_2-3	Total/NA	Solid	Moisture	
460-323490-63	18B3_5-6	Total/NA	Solid	Moisture	
460-323490-64	18C1_0-1	Total/NA	Solid	Moisture	
460-323490-65	18C1_5-6	Total/NA	Solid	Moisture	
460-323490-66	18C2_3-4	Total/NA	Solid	Moisture	
460-323490-67	18C2_6-7	Total/NA	Solid	Moisture	
460-323490-68	18C3_4-5	Total/NA	Solid	Moisture	
460-323490-69	18C3_7-8	Total/NA	Solid	Moisture	
460-323490-70	18C3_9-10	Total/NA	Solid	Moisture	
460-323490-71	18D1_0-1	Total/NA	Solid	Moisture	
460-323490-72	18D1_6-7	Total/NA	Solid	Moisture	
460-323490-73	18D1_8-9	Total/NA	Solid	Moisture	
460-323490-74	18D2_1-2	Total/NA	Solid	Moisture	
460-323490-75	18D2_5-6	Total/NA	Solid	Moisture	
460-323490-76	18D3_3-4	Total/NA	Solid	Moisture	
460-323490-77	18D3_7-8	Total/NA	Solid	Moisture	
460-323531-A-12 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323531-A-12 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323589-A-41 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323589-A-41 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323490-13 DU	13B3_2-3	Total/NA	Solid	Moisture	
460-323490-20 DU	13C3_4-5	Total/NA	Solid	Moisture	
460-323490-30 DU	15B1_7-8	Total/NA	Solid	Moisture	
460-323490-50 DU	18A1_1-2	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A1_2-3
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13A1_2-3
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-1
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:40
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 10:14

Client Sample ID: 13A1_4-5
Date Collected: 04/03/25 08:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13A1_4-5
Date Collected: 04/03/25 08:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-2
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:40
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 10:39

Client Sample ID: 13A2_6-7
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13A2_6-7
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-3
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:40
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 11:03

Client Sample ID: 13A2_8-9
Date Collected: 04/03/25 08:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13A2_8-9
Date Collected: 04/03/25 08:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-4
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:41
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 11:27

Client Sample ID: 13A2_9-10
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13A2_9-10
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-5
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:41
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 11:52

Client Sample ID: 13A3_1-2
Date Collected: 04/03/25 08:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13A3_1-2
Date Collected: 04/03/25 08:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-6
Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:42
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 12:18

Client Sample ID: 13A3_6-7
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13A3_6-7
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-7
Matrix: Solid
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:42
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 12:43

Client Sample ID: 13B1_3-4
Date Collected: 04/03/25 08:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13B1_3-4
Date Collected: 04/03/25 08:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-8
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:42
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 13:08

Client Sample ID: 13B1_7-8
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13B1_7-8
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-9
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:43
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 13:33

Client Sample ID: 13B1_9-10
Date Collected: 04/03/25 08:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13B1_9-10

Lab Sample ID: 460-323490-10
Date Collected: 04/03/25 08:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:43
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 13:57

Client Sample ID: 13B2_2-3

Lab Sample ID: 460-323490-11
Date Collected: 04/03/25 08:50
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13B2_2-3

Lab Sample ID: 460-323490-11
Date Collected: 04/03/25 08:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:44
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 14:22

Client Sample ID: 13B2_5-6

Lab Sample ID: 460-323490-12
Date Collected: 04/03/25 08:55
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13B2_5-6

Lab Sample ID: 460-323490-12
Date Collected: 04/03/25 08:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:44
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 14:47

Client Sample ID: 13B3_2-3

Lab Sample ID: 460-323490-13
Date Collected: 04/03/25 09:00
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13B3_2-3
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-13
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:45
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 15:12

Client Sample ID: 13B3_7-8
Date Collected: 04/03/25 09:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13B3_7-8
Date Collected: 04/03/25 09:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-14
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:45
Total/NA	Analysis	8260D		1	1030982	MZS	EET EDI	04/11/25 15:37

Client Sample ID: 13C1_0-1
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13C1_0-1
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-15
Matrix: Solid
Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:45
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 19:58

Client Sample ID: 13C1_3-4
Date Collected: 04/03/25 09:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 13C1_3-4
Date Collected: 04/03/25 09:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-16
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:46
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 20:22

Client Sample ID: 13C2_3-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13C2_3-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-17
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:46
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 20:47

Client Sample ID: 13C2_6-7
Date Collected: 04/03/25 09:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13C2_6-7
Date Collected: 04/03/25 09:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-18
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:47
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 21:11

Client Sample ID: 13C3_1-2
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13C3_1-2
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-19
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:47
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 21:37

Client Sample ID: 13C3_4-5
Date Collected: 04/03/25 09:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 13C3_4-5
Date Collected: 04/03/25 09:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-20
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:47
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 22:02

Client Sample ID: 13C3_7-8
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 13C3_7-8
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-21
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:48
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 22:27

Client Sample ID: 15A1_2-3
Date Collected: 04/03/25 09:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 15A1_2-3
Date Collected: 04/03/25 09:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-22
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:48
Total/NA	Analysis	8260D		1	1031234	AAT	EET EDI	04/12/25 08:01

Client Sample ID: 15A1_6-7
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15A1_6-7
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-23
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:49
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 23:17

Client Sample ID: 15A1_7-8
Date Collected: 04/03/25 09:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 15A1_7-8
Date Collected: 04/03/25 09:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-24
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:49
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/11/25 23:41

Client Sample ID: 15A2_1-2
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15A2_1-2
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-25
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:50
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 00:06

Client Sample ID: 15A2_3-4
Date Collected: 04/03/25 10:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 15A2_3-4
Date Collected: 04/03/25 10:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-26
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:50
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 00:31

Client Sample ID: 15A3_4-5
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15A3_4-5
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-27
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:50
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 00:56

Client Sample ID: 15A3_7-8
Date Collected: 04/03/25 10:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 15A3_7-8
Date Collected: 04/03/25 10:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-28
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:51
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 01:21

Client Sample ID: 15B1_3-4
Date Collected: 04/03/25 10:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15B1_3-4
Date Collected: 04/03/25 10:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-29
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:51
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 01:45

Client Sample ID: 15B1_7-8
Date Collected: 04/03/25 10:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15B1_7-8
Date Collected: 04/03/25 10:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-30
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:52
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 02:10

Client Sample ID: 15B2_1-2
Date Collected: 04/03/25 10:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 15B2_1-2
Date Collected: 04/03/25 10:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-31
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:52
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 02:35

Client Sample ID: 15B2_3-4
Date Collected: 04/03/25 10:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 15B2_3-4
Date Collected: 04/03/25 10:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-32
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:52
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 03:00

Client Sample ID: 15B2_6-7
Date Collected: 04/03/25 10:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15B2_6-7
Date Collected: 04/03/25 10:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-33
Matrix: Solid
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:53
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 03:25

Client Sample ID: 15B3_0-1
Date Collected: 04/03/25 10:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15B3_0-1
Lab Sample ID: 460-323490-34
Date Collected: 04/03/25 10:45
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:53
Total/NA	Analysis	8260D		1	1031173	AAT	EET EDI	04/12/25 03:50

Client Sample ID: 15B3_3-4
Lab Sample ID: 460-323490-35
Date Collected: 04/03/25 10:50
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 15B3_3-4
Lab Sample ID: 460-323490-35
Date Collected: 04/03/25 10:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:54
Total/NA	Analysis	8260D		1	1031234	AAT	EET EDI	04/12/25 14:41

Client Sample ID: 17A1_2-3
Lab Sample ID: 460-323490-36
Date Collected: 04/03/25 10:55
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17A1_2-3
Lab Sample ID: 460-323490-36
Date Collected: 04/03/25 10:55
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:54
Total/NA	Analysis	8260D		1	1031234	AAT	EET EDI	04/12/25 15:06

Client Sample ID: 17A1_7-8
Lab Sample ID: 460-323490-37
Date Collected: 04/03/25 11:00
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A1_7-8
Date Collected: 04/03/25 11:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-37
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:55
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 13:03

Client Sample ID: 17A1_3-4
Date Collected: 04/03/25 11:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17A1_3-4
Date Collected: 04/03/25 11:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-38
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:55
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 13:26

Client Sample ID: 17A2_6-7
Date Collected: 04/03/25 11:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17A2_6-7
Date Collected: 04/03/25 11:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-39
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:55
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 13:50

Client Sample ID: 17A2_7-8
Date Collected: 04/03/25 11:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 17A2_7-8
Date Collected: 04/03/25 11:15
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-40
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:56
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 14:13

Client Sample ID: 17A3_2-3
Date Collected: 04/03/25 11:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17A3_2-3
Date Collected: 04/03/25 11:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-41
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:56
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 14:37

Client Sample ID: 17A3_5-6
Date Collected: 04/03/25 11:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17A3_5-6
Date Collected: 04/03/25 11:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-42
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:57
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 15:24

Client Sample ID: 17B1_2-3
Date Collected: 04/03/25 11:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17B1_2-3
Date Collected: 04/03/25 11:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-43
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:57
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 15:01

Client Sample ID: 17B1_5-6
Date Collected: 04/03/25 11:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17B1_5-6
Date Collected: 04/03/25 11:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-44
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:57
Total/NA	Analysis	8260D		1	1031235	AAT	EET EDI	04/12/25 15:48

Client Sample ID: 17B2_0-1
Date Collected: 04/03/25 11:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17B2_0-1
Date Collected: 04/03/25 11:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-45
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:58
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 19:19

Client Sample ID: 17B2_5-6
Date Collected: 04/03/25 11:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17B2_5-6
Date Collected: 04/03/25 11:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-46
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:58
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 19:44

Client Sample ID: 17B3_3-4
Date Collected: 04/03/25 11:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17B3_3-4
Date Collected: 04/03/25 11:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-47
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:59
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 20:09

Client Sample ID: 17B3_6-7
Date Collected: 04/03/25 11:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 17B3_6-7
Date Collected: 04/03/25 11:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-48
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030029	EMM	EET EDI	04/06/25 10:59
Total/NA	Analysis	8260D		1	1031356	AAT	EET EDI	04/13/25 07:21

Client Sample ID: 17B3_7-8
Date Collected: 04/03/25 12:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 17B3_7-8
Date Collected: 04/03/25 12:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-49
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:20
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 21:00

Client Sample ID: 18A1_1-2
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18A1_1-2
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-50
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:20
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 21:25

Client Sample ID: 18A1_4-5
Date Collected: 04/03/25 13:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18A1_4-5
Date Collected: 04/03/25 13:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-51
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:21
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 21:49

Client Sample ID: 18A1_7-8
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-52
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18A1_7-8
Lab Sample ID: 460-323490-52
Date Collected: 04/03/25 13:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:21
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 22:14

Client Sample ID: 18A2_2-3
Lab Sample ID: 460-323490-53
Date Collected: 04/03/25 13:15
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18A2_2-3
Lab Sample ID: 460-323490-53
Date Collected: 04/03/25 13:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:22
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 22:38

Client Sample ID: 18A2_8-9
Lab Sample ID: 460-323490-54
Date Collected: 04/03/25 13:20
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18A2_8-9
Lab Sample ID: 460-323490-54
Date Collected: 04/03/25 13:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:22
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 23:03

Client Sample ID: 18A3_3-4
Lab Sample ID: 460-323490-55
Date Collected: 04/03/25 13:25
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18A3_3-4
Date Collected: 04/03/25 13:25
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-55
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:23
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 23:28

Client Sample ID: 18A3_6-7
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18A3_6-7
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-56
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:23
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/12/25 23:52

Client Sample ID: 18B1_1-2
Date Collected: 04/03/25 13:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 18B1_1-2
Date Collected: 04/03/25 13:35
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-57
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:24
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 04:24

Client Sample ID: 18B1_7-8
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18B1_7-8
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-58
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:24
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 00:17

Client Sample ID: 18B2_0-1
Date Collected: 04/03/25 13:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-59
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18B2_0-1
Date Collected: 04/03/25 13:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-59
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:25
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 00:43

Client Sample ID: 18B2_7-8
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-60
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 18B2_7-8
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-60
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:26
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 00:27

Client Sample ID: 18B2_5-6
Date Collected: 04/03/25 13:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-61
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18B2_5-6
Date Collected: 04/03/25 13:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-61
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:26
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 00:51

Client Sample ID: 18B3_2-3
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-62
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18B3_2-3
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-62
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:27
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 01:14

Client Sample ID: 18B3_5-6
Date Collected: 04/03/25 14:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-63
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18B3_5-6
Date Collected: 04/03/25 14:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-63
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:27
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 01:38

Client Sample ID: 18C1_0-1
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-64
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 18C1_0-1
Lab Sample ID: 460-323490-64
Date Collected: 04/03/25 14:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:28
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 02:02

Client Sample ID: 18C1_5-6
Lab Sample ID: 460-323490-65
Date Collected: 04/03/25 14:15
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 18C1_5-6
Lab Sample ID: 460-323490-65
Date Collected: 04/03/25 14:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:28
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 02:25

Client Sample ID: 18C2_3-4
Lab Sample ID: 460-323490-66
Date Collected: 04/03/25 14:20
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18C2_3-4
Lab Sample ID: 460-323490-66
Date Collected: 04/03/25 14:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:29
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 02:49

Client Sample ID: 18C2_6-7
Lab Sample ID: 460-323490-67
Date Collected: 04/03/25 14:25
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18C2_6-7

Lab Sample ID: 460-323490-67
Date Collected: 04/03/25 14:25
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:29
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 03:13

Client Sample ID: 18C3_4-5

Lab Sample ID: 460-323490-68
Date Collected: 04/03/25 14:30
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18C3_4-5

Lab Sample ID: 460-323490-68
Date Collected: 04/03/25 14:30
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:30
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 03:36

Client Sample ID: 18C3_7-8

Lab Sample ID: 460-323490-69
Date Collected: 04/03/25 14:35
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18C3_7-8

Lab Sample ID: 460-323490-69
Date Collected: 04/03/25 14:35
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:31
Total/NA	Analysis	8260D		1	1031170	AAT	EET EDI	04/12/25 04:00

Client Sample ID: 18C3_9-10

Lab Sample ID: 460-323490-70
Date Collected: 04/03/25 14:40
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18C3_9-10
Date Collected: 04/03/25 14:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-70
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:31
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 01:08

Client Sample ID: 18D1_0-1
Date Collected: 04/03/25 14:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-71
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18D1_0-1
Date Collected: 04/03/25 14:45
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-71
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:32
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 01:33

Client Sample ID: 18D1_6-7
Date Collected: 04/03/25 14:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-72
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18D1_6-7
Date Collected: 04/03/25 14:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-72
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:32
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 01:58

Client Sample ID: 18D1_8-9
Date Collected: 04/03/25 14:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-73
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D1_8-9
Date Collected: 04/03/25 14:55
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-73
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:33
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 02:23

Client Sample ID: 18D2_1-2
Date Collected: 04/03/25 15:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-74
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 09:13

Client Sample ID: 18D2_1-2
Date Collected: 04/03/25 15:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-74
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:33
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 02:47

Client Sample ID: 18D2_5-6
Date Collected: 04/03/25 15:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-75
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18D2_5-6
Date Collected: 04/03/25 15:05
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-75
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:34
Total/NA	Analysis	8260D		1	1031261	AAT	EET EDI	04/13/25 03:12

Client Sample ID: 18D3_3-4
Date Collected: 04/03/25 15:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323490-76
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Client Sample ID: 18D3_3-4

Lab Sample ID: 460-323490-76
Date Collected: 04/03/25 15:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:34
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 19:21

Client Sample ID: 18D3_7-8

Lab Sample ID: 460-323490-77
Date Collected: 04/03/25 15:15
Matrix: Solid
Date Received: 04/04/25 16:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 18D3_7-8

Lab Sample ID: 460-323490-77
Date Collected: 04/03/25 15:15
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030050	EMM	EET EDI	04/06/25 11:35
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 19:44

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323490-1	13A1_2-3	Solid	04/03/25 08:00	04/04/25 16:30
460-323490-2	13A1_4-5	Solid	04/03/25 08:05	04/04/25 16:30
460-323490-3	13A2_6-7	Solid	04/03/25 08:10	04/04/25 16:30
460-323490-4	13A2_8-9	Solid	04/03/25 08:15	04/04/25 16:30
460-323490-5	13A2_9-10	Solid	04/03/25 08:20	04/04/25 16:30
460-323490-6	13A3_1-2	Solid	04/03/25 08:25	04/04/25 16:30
460-323490-7	13A3_6-7	Solid	04/03/25 08:30	04/04/25 16:30
460-323490-8	13B1_3-4	Solid	04/03/25 08:35	04/04/25 16:30
460-323490-9	13B1_7-8	Solid	04/03/25 08:40	04/04/25 16:30
460-323490-10	13B1_9-10	Solid	04/03/25 08:45	04/04/25 16:30
460-323490-11	13B2_2-3	Solid	04/03/25 08:50	04/04/25 16:30
460-323490-12	13B2_5-6	Solid	04/03/25 08:55	04/04/25 16:30
460-323490-13	13B3_2-3	Solid	04/03/25 09:00	04/04/25 16:30
460-323490-14	13B3_7-8	Solid	04/03/25 09:05	04/04/25 16:30
460-323490-15	13C1_0-1	Solid	04/03/25 09:10	04/04/25 16:30
460-323490-16	13C1_3-4	Solid	04/03/25 09:15	04/04/25 16:30
460-323490-17	13C2_3-4	Solid	04/03/25 09:20	04/04/25 16:30
460-323490-18	13C2_6-7	Solid	04/03/25 09:25	04/04/25 16:30
460-323490-19	13C3_1-2	Solid	04/03/25 09:30	04/04/25 16:30
460-323490-20	13C3_4-5	Solid	04/03/25 09:35	04/04/25 16:30
460-323490-21	13C3_7-8	Solid	04/03/25 09:40	04/04/25 16:30
460-323490-22	15A1_2-3	Solid	04/03/25 09:45	04/04/25 16:30
460-323490-23	15A1_6-7	Solid	04/03/25 09:50	04/04/25 16:30
460-323490-24	15A1_7-8	Solid	04/03/25 09:55	04/04/25 16:30
460-323490-25	15A2_1-2	Solid	04/03/25 10:00	04/04/25 16:30
460-323490-26	15A2_3-4	Solid	04/03/25 10:05	04/04/25 16:30
460-323490-27	15A3_4-5	Solid	04/03/25 10:10	04/04/25 16:30
460-323490-28	15A3_7-8	Solid	04/03/25 10:15	04/04/25 16:30
460-323490-29	15B1_3-4	Solid	04/03/25 10:20	04/04/25 16:30
460-323490-30	15B1_7-8	Solid	04/03/25 10:25	04/04/25 16:30
460-323490-31	15B2_1-2	Solid	04/03/25 10:30	04/04/25 16:30
460-323490-32	15B2_3-4	Solid	04/03/25 10:35	04/04/25 16:30
460-323490-33	15B2_6-7	Solid	04/03/25 10:40	04/04/25 16:30
460-323490-34	15B3_0-1	Solid	04/03/25 10:45	04/04/25 16:30
460-323490-35	15B3_3-4	Solid	04/03/25 10:50	04/04/25 16:30
460-323490-36	17A1_2-3	Solid	04/03/25 10:55	04/04/25 16:30
460-323490-37	17A1_7-8	Solid	04/03/25 11:00	04/04/25 16:30
460-323490-38	17A1_3-4	Solid	04/03/25 11:05	04/04/25 16:30
460-323490-39	17A2_6-7	Solid	04/03/25 11:10	04/04/25 16:30
460-323490-40	17A2_7-8	Solid	04/03/25 11:15	04/04/25 16:30
460-323490-41	17A3_2-3	Solid	04/03/25 11:20	04/04/25 16:30
460-323490-42	17A3_5-6	Solid	04/03/25 11:25	04/04/25 16:30
460-323490-43	17B1_2-3	Solid	04/03/25 11:30	04/04/25 16:30
460-323490-44	17B1_5-6	Solid	04/03/25 11:35	04/04/25 16:30
460-323490-45	17B2_0-1	Solid	04/03/25 11:40	04/04/25 16:30
460-323490-46	17B2_5-6	Solid	04/03/25 11:45	04/04/25 16:30
460-323490-47	17B3_3-4	Solid	04/03/25 11:50	04/04/25 16:30
460-323490-48	17B3_6-7	Solid	04/03/25 11:55	04/04/25 16:30
460-323490-49	17B3_7-8	Solid	04/03/25 12:00	04/04/25 16:30
460-323490-50	18A1_1-2	Solid	04/03/25 13:00	04/04/25 16:30
460-323490-51	18A1_4-5	Solid	04/03/25 13:05	04/04/25 16:30
460-323490-52	18A1_7-8	Solid	04/03/25 13:10	04/04/25 16:30
460-323490-53	18A2_2-3	Solid	04/03/25 13:15	04/04/25 16:30
460-323490-54	18A2_8-9	Solid	04/03/25 13:20	04/04/25 16:30

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323490-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323490-55	18A3_3-4	Solid	04/03/25 13:25	04/04/25 16:30
460-323490-56	18A3_6-7	Solid	04/03/25 13:30	04/04/25 16:30
460-323490-57	18B1_1-2	Solid	04/03/25 13:35	04/04/25 16:30
460-323490-58	18B1_7-8	Solid	04/03/25 13:40	04/04/25 16:30
460-323490-59	18B2_0-1	Solid	04/03/25 13:45	04/04/25 16:30
460-323490-60	18B2_7-8	Solid	04/03/25 13:50	04/04/25 16:30
460-323490-61	18B2_5-6	Solid	04/03/25 13:55	04/04/25 16:30
460-323490-62	18B3_2-3	Solid	04/03/25 14:00	04/04/25 16:30
460-323490-63	18B3_5-6	Solid	04/03/25 14:05	04/04/25 16:30
460-323490-64	18C1_0-1	Solid	04/03/25 14:10	04/04/25 16:30
460-323490-65	18C1_5-6	Solid	04/03/25 14:15	04/04/25 16:30
460-323490-66	18C2_3-4	Solid	04/03/25 14:20	04/04/25 16:30
460-323490-67	18C2_6-7	Solid	04/03/25 14:25	04/04/25 16:30
460-323490-68	18C3_4-5	Solid	04/03/25 14:30	04/04/25 16:30
460-323490-69	18C3_7-8	Solid	04/03/25 14:35	04/04/25 16:30
460-323490-70	18C3_9-10	Solid	04/03/25 14:40	04/04/25 16:30
460-323490-71	18D1_0-1	Solid	04/03/25 14:45	04/04/25 16:30
460-323490-72	18D1_6-7	Solid	04/03/25 14:50	04/04/25 16:30
460-323490-73	18D1_8-9	Solid	04/03/25 14:55	04/04/25 16:30
460-323490-74	18D2_1-2	Solid	04/03/25 15:00	04/04/25 16:30
460-323490-75	18D2_5-6	Solid	04/03/25 15:05	04/04/25 16:30
460-323490-76	18D3_3-4	Solid	04/03/25 15:10	04/04/25 16:30
460-323490-77	18D3_7-8	Solid	04/03/25 15:15	04/04/25 16:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.2
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323490
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			SHORT HOLD
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 0208988-000-004-03 BG-02			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			Other:

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	TCL VOCs	Total Number of containers	Special Instructions/Note:
Preservation Code:								N			
13A1_2-3	1	4/3/25	800	G	Solid				X		
13A1_4-5	2		805		Solid						
13A2_6-7	3		810		Solid						
13A2_8-9	4		815		Solid						
13A2_9-10	5		820		Solid						
13A3_1-2	6		825		Solid						
13A3_6-7	7		830		Solid						
13B1_3-4	8		835		Solid						
13B1_7-8	9		840		Solid						
13B1_9-10	10		845		Solid						
13B2_2-3	11		850		Solid						

460-323490 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	HEA		4-4-25 11:00	EET
2	Relinquished by:	Date/Time: 4-4-25 16:30	Company EET	Received by:	Date/Time: 4/4 1630	Company FTA
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: N C W

Cooler Temperature(s) °C and Other Remarks: 1.5/1.7 09/1.5 02/06

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.3
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323490
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tg3 dana@haleyaldrich.com	PO #: 0208988-000~~004 03~~			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None; Other

Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 – 1633 Standard List for 40 CFR 136 TCL VOCs	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N		
13B2 5-6	12	4/3/25	855	G	Solid			X		
13B3_2 3	13		900		Solid					
13B3_7-8	14		905		Solid					
13C1_0 1	15		910		Solid					
13C1_3-4	16		915		Solid					
13C2 3 4	17		920		Solid					
13C2 6 7	18		925		Solid					
13C3_1-2	19		930		Solid					
13C3 4-5	20		935		Solid					
13C3_7 8	21		940		Solid					
15A1_2 3	22		945		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	H&A		4/4/25 11:04	CES
2		4/4/25 16:30	CES		4/4 1630	Eurofins
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793 4
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 3 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323490
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tg orduno@haleyaldrich.com	PO #: 0208988-000-~~004-03~~			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None; Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, S=solid, O=wasta/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1663-1633-Standard-List-of-40 TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
15A1_6 7 23	4/3/25	950	G	Solid			X		
15A1_7-8 24		955		Solid					
15A2 1-2 25		100		Solid					
15A2_3 4 26		1005		Solid					
15A3 4-5 27		1010		Solid					
15A3_7-8 28		105		Solid					
15B1_3-4 29		1020		Solid					
15B1_7-8 30		1025		Solid					
15B2_1-2 31		1030		Solid					
15B2 3 4 32		1035		Solid					
15B2_6 7 33		1040		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	H&A		4/4/25 11:04	ECC
2		4/4/25 16:30	ECC		4/4 1630	ETA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler:	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.5
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: 4 Page 5 of 7
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323490
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tglordano@haleyaldrich.com	PO #: 0208988-000-004-05			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None; Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater, Sesolid, Owwaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1003 Standard List of 40 TCL VOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
15[illegible] 15B3_0-1 34	4/3/25	1045	G	Solid			X		
15B3_3-4 35		1050		Solid					
17A1_2-3 36		1055		Solid					
17A1_7-8 37		1100		Solid					
17A1_3-4 38		1105		Solid					
17A2_6 7 39		1110		Solid					
17A2_7 8 40		1115		Solid					
17A3_2-3 41		1120		Solid					
17A3_5 6 42		1125		Solid					
17B1_2 3 43		1130		Solid					
17B1_5-6 44		1135		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	H&A		4/4/25 11:04	CCC
2		4/4/25 16:30	CCC		4/4 1630	ETH
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.6
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 6 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323490
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgordano@haleyaldrich.com	PO #: 0208988-000-~~004-03~~ 02 02			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633-4699 Standard List of 40 TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
~~17B2_0-1~~ 17B2_0-1 45	4/3/25	1140	G	Solid			X		
1732_5 6 46		1145		Solid					
1733_3 4 47		1150		Solid					
1733_6-7 48		1155		Solid					
1733 7-8 49		1200		Solid					
18A1_1-2 50		1300		Solid					
18A1_4-5 51		1305		Solid					
18AL 7-8 52		1310		Solid					
18A2 2 3 53		1315		Solid					
18A2_8-9 54		1320		Solid					
18A3_3 4 55		1328		~~Water~~ Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	HCA		4/4/25 11:04	CTC
2		4/4/25 16:50	CTC		4/4 1630	ETA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.7
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: 6 Page 7 of 7
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323490
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 0208988-000-004-03			Other
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633_1633-Standard List of 40 CFR	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
18A3_6-7 56	4/3/25	1330	G	~~Water~~ Soil			X		
18B1_1-2 57		1335		~~Water~~ Soil					
18B1_7 8 58		1340		~~Water~~ Soil					
18B2_0 1 59		1345		~~Water~~ Soil					
18B2 7 8 60		1350		Soil					
18B2 5 6 61		1355							
18B3 2 3 62		1400							
18B3 5-6 63		1405							
18C1_0 64		1410							
18C1_5-6 65		1415							
18C2 3 4 66		1420							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	H&A		04-4-25 11:04	CTO
2		4/4/25 16:30	CTO		4/4 1630	ETA
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

4/14/2025

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193167-126388.1
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323490

Address: 213 West 35th St	Due Date Requested:	Analysis Requested	Preservation Codes: N None
City: New York	TAT Requested (days): Standard		
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No		
Phone: tgo skano@haleyaldrich.com	PO #: 0208988-000-006-02		
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY		
Project Name: Former Port Mobil	Project #: 46042832		
Site:	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633_4698 Standard List of 40 + TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
18C2_6-7 67	4/3/25	1425	G	Solid			X		
18C3_4-5 68		1430		Solid					
18C3_7-8 69		1435		Solid					
18C3_9 10 70		1440		Solid					
18D1_0 71		1445		Solid					
18D1_6 7 72		1450		Solid					
18D1_8-9 73		1455		Solid					
18D2_1-2 74		1500		Solid					
18D2_5 6 75		1505		Solid					
18D3_3-4 76		1510		Solid					
18D3_7-8 77		1515		Solid					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	HAA		4-4-25 11:04	CHS
2		4-4-25 16:30	CHS		4/4 1630	ETE
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 323490

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3°C	1.7°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	0.9°C	1.3°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	0.2°C	0.6°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: BM Date: 4/4/25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323490-1

Login Number: 323490
List Number: 1
Creator: Nelson, Rose E

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/14/2025 1:20:27 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323525-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/14/2025 1:20:27 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

Table of Contents

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 460-323525-1 Eurofins Edison

Job Narrative
460-323525-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 4:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.6°C, 1.3°C and 1.7°C.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 4/8/2025 and analyzed on 4/8/2025 and 4/9/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1030449 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1030380 and analytical batch 460-1030449 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde, Caprolactam and Benzo[g,h,i]perylene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1030459 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1030379 and analytical batch 460-1030459 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1030755 was outside the method criteria for the following analyte(s): < 2,4-Dinitrophenol>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 4/7/2025 and 4/8/2025 and analyzed on 4/8/2025 and 4/9/2025.

The continuing calibration verification (CCVIS) for Tetrachloro-m-xylene surrogate recovered outside the upper control limit on the primary column but within control limits on the secondary column. The data have been qualified and reported. (CCVIS 460-1030330/2)

Method 8081B - Organochlorine Pesticides (GC)
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 4/7/2025 and 4/8/2025 and analyzed on 4/8/2025 and 4/9/2025.

The continuing calibration verification (CCV) associated with batch 460-1030295 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the secondary column.
The CCV at the reporting limits was analyzed and the affected analyte was detected therefore the data have been qualified and reported. Methoxychlor and 4,4'-DDT was within control limits on the primary column (CCVIS 460-1030295/3).

The continuing calibration verification (CCV) associated with batch 460-1030464 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the primary column therefore the data
have been qualified and reported.
The CCV at the reporting limits was analyzed and the affected analyte was detected. Methoxychlor and 4,4'-DDT were within control limits on the secondary column . (CCVIS 460-1030464/3).

The continuing calibration verification (CCV) associated with batch 460-1030498 recovered above the upper control limit for Methoxychlor on the secondary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is:(CCVIS 460-1030498/3).

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1030444 and analytical batch 460-1030498 recovered outside control limits for the following analytes: Methoxychlor on the secondary column. . These analytes were biased high in the LCS and LCSD were not detected in the associated samples; therefore, the data have been reported. (LCS 460-1030444/2-A) and (LCSD 460-1030444/3-A).

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 4/8/2025 and analyzed on 4/9/2025 and 4/10/2025.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: 18D_5-10 (460-323525-22). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The sample duplicate (DUP) precision for preparation batch 240-651369 and analytical batch 240-651416 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the low-level laboratory control sample (LLCS) associated with prep batch 240-651333. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The LLCS recovered within limits for associated target analyte(s), therefore, the associated samples are reported. The following samples are affected:13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), (LLCS 240-651333/2-A) and (460-323525-B-4-B DU).

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: 13B_0-5 (460-323525-3), 13C_4-8 (460-323525-6), 15A_4-8 (460-323525-8), 17A_4-8 (460-323525-12), 17B_4-8 (460-323525-14),

18C_0-5 (460-323525-19) and (460-323525-B-4-B DU). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The sample duplicate (DUP) precision for preparation batch 240-651333 and analytical batch 240-651526 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) precision was within acceptance limits.

Method 6020B - Metals (ICP/MS)
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 4/11/2025.

Method 7471B - Mercury (CVAA)
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 4/10/2025.

Method Moisture - Percent Moisture
Samples 13A_0-5 (460-323525-1), 13A_5-10 (460-323525-2), 13B_0-5 (460-323525-3), 13B_5-10 (460-323525-4), 13C_0-4 (460-323525-5), 13C_4-8 (460-323525-6), 15A_0-4 (460-323525-7), 15A_4-8 (460-323525-8), 15B_0-4 (460-323525-9), 15B_4-8 (460-323525-10), 17A_0-4 (460-323525-11), 17A_4-8 (460-323525-12), 17B_0-4 (460-323525-13), 17B_4-8 (460-323525-14), 18A_0-5 (460-323525-15), 18A_5-10 (460-323525-16), 18B_0-4 (460-323525-17), 18B_4-8 (460-323525-18), 18C_0-5 (460-323525-19), 18C_5-10 (460-323525-20), 18D_0-5 (460-323525-21) and 18D_5-10 (460-323525-22) were analyzed for Percent Moisture. The samples were analyzed on 4/8/2025.

Client Sample ID: 13A_0-5 — Lab Sample ID: 460-323525-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.012	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.016	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.015	J	0.036	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.022	J	0.036	0.0092	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.017	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.017	J	0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.016	J	0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.029	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.025	J	0.36	0.0089	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.084	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.34		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.38		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.37		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.94		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.078	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.14		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	8310		20.0	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.87	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	80.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.4		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.21	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	2260		100	40.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	34.6		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	12.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	143		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	22500		60.1	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	313		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2140		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	233		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	66.7		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	1220		100	16.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.55	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	157		100	45.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.080	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.1		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	370		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.031		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 13A_5-10 — Lab Sample ID: 460-323525-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.012	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.018	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.016	J	0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.021	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.024	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0080	J	0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.034	J	0.37	0.017	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 13A_5-10 (Continued)

Lab Sample ID: 460-323525-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.017	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.015	J	0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.015	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.022	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.077	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.42		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.29		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.42		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.34		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.06		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.065	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.070	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8570		20.3	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.56	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.6		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	85.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1710		102	41.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.6		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	97.4		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	22400		60.9	20.5	mg/Kg	1	☼	6020B	Total/NA
Lead	199		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2140		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	333		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	48.7		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1180		102	16.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.44	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.41	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	147		102	46.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.085	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	252		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0087	J	0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 13B_0-5

Lab Sample ID: 460-323525-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.0085	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.13	J	0.28	0.070	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.063	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.063	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.59		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.09		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.50		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.07		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.093	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.080	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 13B_0-5 (Continued)

Lab Sample ID: 460-323525-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.16	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.69		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7550		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.99	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	71.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.1		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.37	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1630		102	41.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	28.3		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	85.2		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21900		61.3	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	523		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1890		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	227		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	38.7		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1200		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.40	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	131		102	46.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.086	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	257		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 13B_5-10

Lab Sample ID: 460-323525-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.051	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.086	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.42		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.96		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.31		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.13		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.060	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.066	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7750		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.91	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.3		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	78.7		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.3		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1950		103	41.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	38.6		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	14.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	130		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 13B_5-10 (Continued)

Lab Sample ID: 460-323525-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	24600		61.5	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	361		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1890		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	251		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	62.4		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1170		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.61	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.22	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	130		103	46.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.094	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	373		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.016	J	0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 13C_0-4

Lab Sample ID: 460-323525-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.012	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.093	J	0.37	0.017	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.018	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.042	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.096	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.38		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.088	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.46		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.090	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	7140		22.3	6.1	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.85	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.0		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.83		0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.22	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	1980		112	45.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.3		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.6		2.2	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	62.2		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Iron	18700		66.9	22.5	mg/Kg	1	☼	6020B	Total/NA
Lead	415		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1770		112	11.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	144		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	24.0		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Potassium	1030		112	18.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.35	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.45	0.099	mg/Kg	1	☼	6020B	Total/NA
Sodium	118		112	51.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.073	J	0.45	0.046	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.6		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	172		8.9	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.0092	J	0.017	0.0080	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 13C_4-8 — Lab Sample ID: 460-323525-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0098	J	0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Butyl benzyl phthalate	0.018	J	0.37	0.017	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.012	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.075	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.46		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.59		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.043	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.066	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	7690		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.75	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.6		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.22	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1500		103	41.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	31.4		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	83.6		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	18400		61.6	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	334		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1770		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	198		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	34.2		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1080		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.22	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	125		103	46.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.083	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.7		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	231		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.017	J	0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 15A_0-4 — Lab Sample ID: 460-323525-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.013	J	0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.013	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.047	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.057	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.099	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.36		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.35		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.59		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.27		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.94		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.071	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.075	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.31	J	0.54	0.14	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15A_0-4 (Continued)

Lab Sample ID: 460-323525-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7940		19.7	5.4	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.95	J	0.98	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.5		0.98	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	70.2		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.1		0.39	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.36	J	0.98	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	2600		98.4	40.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	38.2		2.0	0.89	mg/Kg	1	☼	6020B	Total/NA
Cobalt	18.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	129		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	25400		59.0	19.9	mg/Kg	1	☼	6020B	Total/NA
Lead	190		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3240		98.4	10.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	286		3.9	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	75.3		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	1280		98.4	15.9	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.45	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.27	J	0.39	0.088	mg/Kg	1	☼	6020B	Total/NA
Sodium	158		98.4	45.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.091	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.7		2.0	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	375		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.023		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 15A_4-8

Lab Sample ID: 460-323525-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.10	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.39		0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.012	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.017	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.031	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.091	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.073	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.059	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.058	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.19		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.23		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.13		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.37		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.36		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.078	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.034	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.37	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7160		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.2		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.2		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.0		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.41	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2330		104	42.3	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 15A_4-8 (Continued)

Lab Sample ID: 460-323525-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	29.0		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	94.9		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	24600		62.4	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	198		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2320		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	181		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	46.5		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1110		104	16.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.58	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.29	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	110		104	47.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.069	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	316		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.027		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 15B_0-4

Lab Sample ID: 460-323525-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.026	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.20		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.20		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.35		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.34		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.089	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7490		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.3		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.3		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	78.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.5		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	9410		102	41.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	42.9		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	16.1		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	178		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21500		61.5	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	341		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	6690		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	214		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	102		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1120		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.68	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.32	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	147		102	46.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.085	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	414		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.020		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 15B_4-8 — Lab Sample ID: 460-323525-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.037	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.050	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.052	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.46		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.17		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.89		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.22		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.070	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.066	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.22	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7310		20.0	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.0		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	63.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.3		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.36	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	2330		100	40.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	34.5		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	13.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	139		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	22600		60.1	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	247		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2780		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	216		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	76.3		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	1130		100	16.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.73	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.31	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	127		100	45.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.088	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.5		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	314		8.0	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.032		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 17A_0-4 — Lab Sample ID: 460-323525-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.067	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.057	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.54		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.045	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.40		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8280		21.2	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.82	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	42.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.75		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.21	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3370		106	43.2	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 17A_0-4 (Continued) — Lab Sample ID: 460-323525-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	17.2		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.7		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	47.5		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	19600		63.6	21.4	mg/Kg	1	☼	6020B	Total/NA
Lead	87.3		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3970		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	261		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	22.1		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1160		106	17.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.21	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	64.5	J	106	48.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.087	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	119		8.5	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.016	J	0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 17A_4-8 — Lab Sample ID: 460-323525-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.021	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluorononanoic acid (PFNA)	0.067	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.43		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.43		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	10800		21.7	6.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.48	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	52.1		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.72		0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1820		109	44.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.5		2.2	0.99	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.0		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	33.2		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	23100		65.2	21.9	mg/Kg	1	☼	6020B	Total/NA
Lead	56.9		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4230		109	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	335		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.7		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	1460		109	17.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.20	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.10	J	0.43	0.097	mg/Kg	1	☼	6020B	Total/NA
Sodium	74.4	J	109	49.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.43	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.8		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	72.8		8.7	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.019		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 17B_0-4 — Lab Sample ID: 460-323525-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0096	J	0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 17B_0-4 (Continued)

Lab Sample ID: 460-323525-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.075	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.011	J	0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.041	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.17		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.17		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.38		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.55		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.052	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.054	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	7330		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.4		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	60.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	2.3		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.49	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	37200		102	41.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	26.0		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	82.0		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20300		61.4	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	283		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	19800		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	230		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	29.7		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1100		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.34	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	124		102	46.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.2		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	263		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.051		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 17B_4-8

Lab Sample ID: 460-323525-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.022	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.015	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0082	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.031	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.010	J	0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.046	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.049	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.14		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.27		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.95		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.88		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.064	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 17B_4-8 (Continued)

Lab Sample ID: 460-323525-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.058	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.21	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	10100		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.8		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	111		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	3.5		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.65	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	37200		102	41.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	51.3		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	103		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	24000		61.2	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	716		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	20300		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	204		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	44.4		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1370		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.31	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	220		102	46.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	431		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.038		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18A_0-5

Lab Sample ID: 460-323525-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.11	J	0.29	0.073	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.096	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.21		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.33		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.63		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.18		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.72		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.061	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.12	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	4360		21.9	6.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.16	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	41.1		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.25	J	0.44	0.062	mg/Kg	1	☼	6020B	Total/NA
Calcium	327		110	44.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.8		2.2	0.99	mg/Kg	1	☼	6020B	Total/NA
Cobalt	1.0	J	2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	13.4		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	5580		65.7	22.1	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18A_0-5 (Continued)

Lab Sample ID: 460-323525-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	16.4		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	357		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	27.2		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	2.3		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	981		110	17.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.21	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	14.2		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	11.2		8.8	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.040		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18A_5-10

Lab Sample ID: 460-323525-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.037	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.084	J	0.29	0.071	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.092	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.18		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.25		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.23		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.73		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.26		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.22		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.090	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.077	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	10700		21.3	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.2		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	69.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.91		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.37	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1650		107	43.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	24.3		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	53.3		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	20700		64.0	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	267		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2770		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	356		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.3		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1400		107	17.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.45	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.32	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	97.5	J	107	48.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	30.9		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	126		8.5	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.040		0.019	0.0090	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18B_0-4 — Lab Sample ID: 460-323525-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.012	J	0.041	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.017	J	0.041	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.016	J	0.41	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.014	J	0.041	0.0081	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.020	J	0.41	0.016	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.018	J	0.041	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.013	J	0.41	0.010	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.097	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.42		0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.069	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.50		0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.084	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.050	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.052	J	0.16	0.040	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.50	J	1.59	0.40	ug/Kg	1	☼	1633	Total/NA
Aluminum	7740		22.8	6.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.64	J	1.1	0.17	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.7		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	51.6		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.61		0.46	0.065	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	2960		114	46.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.5		2.3	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.3	0.17	mg/Kg	1	☼	6020B	Total/NA
Copper	34.1		2.3	0.42	mg/Kg	1	☼	6020B	Total/NA
Iron	16000		68.5	23.1	mg/Kg	1	☼	6020B	Total/NA
Lead	160		0.69	0.23	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2790		114	11.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	197		4.6	0.46	mg/Kg	1	☼	6020B	Total/NA
Nickel	13.5		2.3	0.54	mg/Kg	1	☼	6020B	Total/NA
Potassium	1220		114	18.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.37	J	1.4	0.15	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.46	0.10	mg/Kg	1	☼	6020B	Total/NA
Sodium	93.5	J	114	52.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.46	0.047	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.7		2.3	0.24	mg/Kg	1	☼	6020B	Total/NA
Zinc	69.6		9.1	3.5	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18B_4-8 — Lab Sample ID: 460-323525-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.012	J	0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.012	J	0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.045	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.087	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.14		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.11	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18B_4-8 (Continued) — Lab Sample ID: 460-323525-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroundecanoic acid (PFUnA)	0.59		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.092	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.55		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.049	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	8400		21.0	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.65	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.0		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	2.1		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.33	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	5570		105	42.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.9		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.0		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	56.8		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	17600		63.0	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	125		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4520		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	301		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.8		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1190		105	17.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.26	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	103	J	105	48.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.13	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.5		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	358		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.016	J	0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18C_0-5 — Lab Sample ID: 460-323525-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.014	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.056		0.038	0.029	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.045		0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.058		0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.031	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.022	J	0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.054	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.084	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.029	J	0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0084	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.023	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.092	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.084	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.085	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.40		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.05		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.26		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.71		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.23		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.68		0.14	0.036	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18C_0-5 (Continued)

Lab Sample ID: 460-323525-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorotetradecanoic acid (PFTeDA)	0.072	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.040	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.17		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	9080		20.6	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.4		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.5		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	69.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.5		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.31	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3940		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	29.2		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	71.5		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20800		61.8	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	271		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3600		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	243		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.4		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1220		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.42	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.34	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	131		103	47.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.4		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	224		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.028		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18C_5-10

Lab Sample ID: 460-323525-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.017	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.011	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Acetophenone	0.039	J	0.38	0.019	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.012	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.024	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.013	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Carbazole	0.024	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.027	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0086	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.029	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.037	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.088	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.42		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.16		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.24		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.33		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.55		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.075	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.049	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.26	J	0.57	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	8040		21.7	6.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18C_5-10 (Continued)

Lab Sample ID: 460-323525-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.4		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.2		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	53.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.7		0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2200		108	44.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.8		2.2	0.98	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	73.0		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	18900		65.1	21.9	mg/Kg	1	☼	6020B	Total/NA
Lead	168		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2600		108	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	230		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	30.0		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	1080		108	17.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.42	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.32	J	0.43	0.097	mg/Kg	1	☼	6020B	Total/NA
Sodium	88.3	J	108	49.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.089	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.0		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	211		8.7	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.046		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18D_0-5

Lab Sample ID: 460-323525-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.011	J	0.37	0.010	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.0097	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.11	J	0.28	0.070	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.082	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.092	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.17		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.88		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.37		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.26		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.80		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.077	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.084	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.16	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	9010		20.6	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.0		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.3		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	83.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.7		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2850		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.6		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	62.7		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20100		61.7	20.8	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 18D_0-5 (Continued)

Lab Sample ID: 460-323525-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	214		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2510		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	184		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	26.7		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1250		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	153		103	47.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.2		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	230		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.027		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 18D_5-10

Lab Sample ID: 460-323525-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.011	J	0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.0096	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.049	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.046	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.092	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.30		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.18		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.83		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.18		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.67		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.052	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.057	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8490		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.3		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	76.4		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.35	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2880		102	41.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	25.6		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	70.9		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19900		61.5	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	271		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2640		102	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	175		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	31.3		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1210		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.32	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	124		102	46.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	246		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.032		0.018	0.0083	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 13A_0-5
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Acenaphthylene	**0.012**	**J**	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Anthracene	**0.016**	**J**	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzaldehyde	0.36	U *	0.36	0.059	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzo[a]pyrene	**0.015**	**J**	0.036	0.0095	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzo[b]fluoranthene	**0.022**	**J**	0.036	0.0092	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzo[g,h,i]perylene	**0.017**	**J**	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1

Client Sample ID: 13A_0-5

Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1

Matrix: Solid
Percent Solids: 92.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Fluoranthene	**0.017**	**J**	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Indeno[1,2,3-cd]pyrene	**0.016**	**J**	0.036	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Phenanthrene	**0.029**	**J**	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1
Pyrene	**0.025**	**J**	0.36	0.0089	mg/Kg	☼	04/08/25 10:09	04/08/25 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/08/25 10:09*	*04/08/25 21:23*	*1*
2-Fluorobiphenyl	*83*		*38 - 128*	*04/08/25 10:09*	*04/08/25 21:23*	*1*
2-Fluorophenol (Surr)	*77*		*31 - 133*	*04/08/25 10:09*	*04/08/25 21:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/08/25 10:09*	*04/08/25 21:23*	*1*
Phenol-d5 (Surr)	*75*		*35 - 132*	*04/08/25 10:09*	*04/08/25 21:23*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*04/08/25 10:09*	*04/08/25 21:23*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
4,4'-DDE	0.0073	U	0.0073	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
cis-Chlordane	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Heptachlor	0.0073	U	0.0073	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1

Client Sample ID: 13A_0-5
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1
Matrix: Solid
Percent Solids: 92.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	04/07/25 17:06	04/08/25 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:15*	*1*
DCB Decachlorobiphenyl	*109*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:15*	*1*
Tetrachloro-m-xylene	*108*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:15*	*1*
Tetrachloro-m-xylene	*99*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:20*	*1*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:20*	*1*
Tetrachloro-m-xylene	*88*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:20*	*1*
Tetrachloro-m-xylene	*114*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:20*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorooctanoic acid (PFOA)	**0.084**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorononanoic acid (PFNA)	**0.34**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorodecanoic acid (PFDA)	**0.34**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoroundecanoic acid (PFUnA)	**1.38**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorododecanoic acid (PFDoA)	**0.37**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorotridecanoic acid (PFTrDA)	**1.94**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorotetradecanoic acid (PFTeDA)	**0.078**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1

Client Sample ID: 13A_0-5
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1
Matrix: Solid
Percent Solids: 92.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.14**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.40	U	3.40	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.40	U	3.40	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 05:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C5 PFHxA	*89.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C4 PFHpA	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C8 PFOA	*84.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C9 PFNA	*93.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*
13C6 PFDA	*89.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:25*	*1*

Client Sample ID: 13A_0-5

Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1

Matrix: Solid
Percent Solids: 92.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	145		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C2 PFTeDA	83.8		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C3 PFBS	93.1		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C3 PFHxS	77.9		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C8 PFOS	92.2		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C8 FOSA	95.5		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d3-NMeFOSAA	95.5		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d5-NEtFOSAA	95.4		20 - 150	04/08/25 13:15	04/10/25 05:25	1
M2-4:2 FTS	99.8		20 - 150	04/08/25 13:15	04/10/25 05:25	1
M2-6:2 FTS	118		20 - 150	04/08/25 13:15	04/10/25 05:25	1
M2-8:2 FTS	85.1		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C3 HFPO-DA	95.4		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d7-N-MeFOSE-M	68.4		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d9-N-EtFOSE-M	57.5		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d5-NEtPFOSA	69.1		20 - 150	04/08/25 13:15	04/10/25 05:25	1
d3-NMePFOSA	82.5		20 - 150	04/08/25 13:15	04/10/25 05:25	1
13C2-PFDoDA	81.2		20 - 150	04/08/25 13:15	04/10/25 05:25	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8310		20.0	5.5	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Antimony	0.87	J	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Arsenic	4.9		1.0	0.10	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Barium	80.4		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Beryllium	1.4		0.40	0.057	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Cadmium	0.21	J	1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Calcium	2260		100	40.8	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Chromium	34.6		2.0	0.91	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Cobalt	12.7		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Copper	143		2.0	0.37	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Iron	22500		60.1	20.2	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Lead	313		0.60	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Magnesium	2140		100	10.2	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Manganese	233		4.0	0.40	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Nickel	66.7		2.0	0.47	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Potassium	1220		100	16.2	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Selenium	0.55	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Silver	0.28	J	0.40	0.089	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Sodium	157		100	45.8	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Thallium	0.080	J	0.40	0.041	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Vanadium	22.1		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1
Zinc	370		8.0	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.017	0.0079	mg/Kg	☼	04/10/25 00:47	04/10/25 04:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13A_0-5

Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1

Matrix: Solid
Percent Solids: 92.4

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	92.4		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13A_5-10

Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2

Matrix: Solid
Percent Solids: 89.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Acenaphthylene	**0.012**	**J**	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Anthracene	**0.018**	**J**	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzo[a]pyrene	**0.016**	**J**	0.037	0.0098	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzo[b]fluoranthene	**0.021**	**J**	0.037	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzo[g,h,i]perylene	**0.024**	**J**	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Benzo[k]fluoranthene	**0.0080**	**J**	0.037	0.0072	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1

Client Sample ID: 13A_5-10
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Butyl benzyl phthalate	**0.034**	**J**	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Fluoranthene	**0.017**	**J**	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Hexachlorobutadiene	0.075	U	0.075	0.0078	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Indeno[1,2,3-cd]pyrene	**0.015**	**J**	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Phenanthrene	**0.015**	**J**	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1
Pyrene	**0.022**	**J**	0.37	0.0092	mg/Kg	☼	04/08/25 10:09	04/09/25 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*04/08/25 10:09*	*04/09/25 01:29*	*1*
2-Fluorobiphenyl	*91*		*38 - 128*	*04/08/25 10:09*	*04/09/25 01:29*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 133*	*04/08/25 10:09*	*04/09/25 01:29*	*1*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*04/08/25 10:09*	*04/09/25 01:29*	*1*
Phenol-d5 (Surr)	*83*		*35 - 132*	*04/08/25 10:09*	*04/09/25 01:29*	*1*
Terphenyl-d14 (Surr)	*97*		*44 - 147*	*04/08/25 10:09*	*04/09/25 01:29*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1

Client Sample ID: 13A_5-10
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 06:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:31*	*1*
DCB Decachlorobiphenyl	*110*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:31*	*1*
Tetrachloro-m-xylene	*109*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:31*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:36*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:36*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:36*	*1*
Tetrachloro-m-xylene	*127*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:36*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorooctanoic acid (PFOA)	**0.077**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorononanoic acid (PFNA)	**1.42**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorodecanoic acid (PFDA)	**0.29**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoroundecanoic acid (PFUnA)	**1.42**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorododecanoic acid (PFDoA)	**0.34**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorotridecanoic acid (PFTrDA)	**2.06**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1

Client Sample ID: 13A_5-10
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2
Matrix: Solid
Percent Solids: 89.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.065**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorooctanesulfonic acid (PFOS)	**0.070**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:42	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 13A_5-10

Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2

Matrix: Solid
Percent Solids: 89.5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	92.4		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C5 PFPeA	106		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C5 PFHxA	91.9		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C4 PFHpA	112		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C8 PFOA	80.7		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C9 PFNA	89.6		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C6 PFDA	86.9		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C7 PFUnA	140		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C2 PFTeDA	71.9		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C3 PFBS	94.1		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C3 PFHxS	77.2		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C8 PFOS	90.1		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C8 FOSA	92.0		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d3-NMeFOSAA	95.1		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d5-NEtFOSAA	92.0		20 - 150	04/08/25 13:15	04/10/25 05:42	1
M2-4:2 FTS	84.5		20 - 150	04/08/25 13:15	04/10/25 05:42	1
M2-6:2 FTS	86.2		20 - 150	04/08/25 13:15	04/10/25 05:42	1
M2-8:2 FTS	77.1		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C3 HFPO-DA	101		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d7-N-MeFOSE-M	53.3		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d9-N-EtFOSE-M	42.1		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d5-NEtPFOSA	65.9		20 - 150	04/08/25 13:15	04/10/25 05:42	1
d3-NMePFOSA	81.0		20 - 150	04/08/25 13:15	04/10/25 05:42	1
13C2-PFDoDA	79.0		20 - 150	04/08/25 13:15	04/10/25 05:42	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8570		20.3	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Antimony	0.56	J	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Arsenic	5.6		1.0	0.10	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Barium	85.4		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Beryllium	1.2		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Cadmium	0.16	J	1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Calcium	1710		102	41.3	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Chromium	30.6		2.0	0.92	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Cobalt	11.0		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Copper	97.4		2.0	0.37	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Iron	22400		60.9	20.5	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Lead	199		0.61	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Magnesium	2140		102	10.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Manganese	333		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Nickel	48.7		2.0	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Potassium	1180		102	16.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Selenium	0.44	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Silver	0.14	J	0.41	0.090	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Sodium	147		102	46.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Thallium	0.085	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Vanadium	25.4		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1
Zinc	252		8.1	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:52	1

Client Sample ID: 13A_5-10

Lab Sample ID: 460-323525-2

Date Collected: 04/03/25 08:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.5

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0087	J	0.018	0.0085	mg/Kg	☼	04/10/25 00:47	04/10/25 04:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.5		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.5		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13B_0-5

Lab Sample ID: 460-323525-3

Date Collected: 04/03/25 08:20
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 89.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1

Client Sample ID: 13B_0-5
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Naphthalene	**0.0085**	**J**	0.37	0.0063	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	04/08/25 10:09	04/09/25 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/08/25 10:09*	*04/09/25 01:51*	*1*
2-Fluorobiphenyl	*86*		*38 - 128*	*04/08/25 10:09*	*04/09/25 01:51*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 133*	*04/08/25 10:09*	*04/09/25 01:51*	*1*
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*	*04/08/25 10:09*	*04/09/25 01:51*	*1*
Phenol-d5 (Surr)	*76*		*35 - 132*	*04/08/25 10:09*	*04/09/25 01:51*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*04/08/25 10:09*	*04/09/25 01:51*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1

Client Sample ID: 13B_0-5
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:47*	*1*
DCB Decachlorobiphenyl	*81*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:47*	*1*
Tetrachloro-m-xylene	*79*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:47*	*1*
Tetrachloro-m-xylene	*73*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 10:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:53*	*1*
DCB Decachlorobiphenyl	*105*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:53*	*1*
Tetrachloro-m-xylene	*109*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:53*	*1*
Tetrachloro-m-xylene	*132*		*20 - 150*	*04/07/25 17:03*	*04/08/25 10:53*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoropentanoic acid (PFPeA)	**0.13**	**J**	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorohexanoic acid (PFHxA)	**0.063**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoroheptanoic acid (PFHpA)	**0.063**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorooctanoic acid (PFOA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorononanoic acid (PFNA)	**0.59**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorodecanoic acid (PFDA)	**1.09**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoroundecanoic acid (PFUnA)	**1.44**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1

Client Sample ID: 13B_0-5
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid
Percent Solids: 89.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.50**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorotridecanoic acid (PFTrDA)	**1.07**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorotetradecanoic acid (PFTeDA)	**0.093**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorooctanesulfonic acid (PFOS)	**0.080**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.16**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.69**		0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.50	U	3.50	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.50	U	3.50	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1

Client Sample ID: 13B_0-5

Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3

Matrix: Solid
Percent Solids: 89.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 05:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C5 PFPeA	*110*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C5 PFHxA	*93.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C4 PFHpA	*115*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C8 PFOA	*85.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C9 PFNA	*96.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C6 PFDA	*95.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C7 PFUnA	*157*	*	*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C2 PFTeDA	*79.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C3 PFBS	*97.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C3 PFHxS	*79.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C8 PFOS	*91.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C8 FOSA	*98.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d3-NMeFOSAA	*97.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d5-NEtFOSAA	*101*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
M2-4:2 FTS	*95.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
M2-6:2 FTS	*122*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
M2-8:2 FTS	*93.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C3 HFPO-DA	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d7-N-MeFOSE-M	*77.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d9-N-EtFOSE-M	*67.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d5-NEtPFOSA	*71.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
d3-NMePFOSA	*84.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*
13C2-PFDoDA	*88.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 05:59*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7550**		20.4	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Antimony	**0.99**	**J**	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Arsenic	**6.7**		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Barium	**71.0**		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Beryllium	**1.1**		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Cadmium	**0.37**	**J**	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Calcium	**1630**		102	41.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Chromium	**28.3**		2.0	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Cobalt	**10.7**		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Copper	**85.2**		2.0	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Iron	**21900**		61.3	20.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Lead	**523**		0.61	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Magnesium	**1890**		102	10.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Manganese	**227**		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Nickel	**38.7**		2.0	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Potassium	**1200**		102	16.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Selenium	**0.40**	**J**	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Silver	**0.23**	**J**	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Sodium	**131**		102	46.7	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1

Client Sample ID: 13B_0-5

Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid
Percent Solids: 89.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.086	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Vanadium	24.4		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1
Zinc	257		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.018	0.0086	mg/Kg	☼	04/10/25 00:47	04/10/25 04:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13B_5-10

Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
4-Nitrophenol	0.75	U	0.75	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1
Pyrene	0.37	U	0.37	0.0093	mg/Kg	☼	04/08/25 10:09	04/09/25 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*04/08/25 10:09*	*04/09/25 02:14*	*1*
2-Fluorobiphenyl	*95*		*38 - 128*	*04/08/25 10:09*	*04/09/25 02:14*	*1*
2-Fluorophenol (Surr)	*92*		*31 - 133*	*04/08/25 10:09*	*04/09/25 02:14*	*1*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*	*04/08/25 10:09*	*04/09/25 02:14*	*1*
Phenol-d5 (Surr)	*88*		*35 - 132*	*04/08/25 10:09*	*04/09/25 02:14*	*1*
Terphenyl-d14 (Surr)	*101*		*44 - 147*	*04/08/25 10:09*	*04/09/25 02:14*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 07:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:02*	*1*
DCB Decachlorobiphenyl	*112*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:02*	*1*
Tetrachloro-m-xylene	*108*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:02*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:10*	*1*
DCB Decachlorobiphenyl	*86*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:10*	*1*
Tetrachloro-m-xylene	*91*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:10*	*1*
Tetrachloro-m-xylene	*113*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:10*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	**0.051**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorooctanoic acid (PFOA)	**0.086**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorononanoic acid (PFNA)	**0.34**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorodecanoic acid (PFDA)	**0.42**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoroundecanoic acid (PFUnA)	**0.96**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorododecanoic acid (PFDoA)	**0.31**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorotridecanoic acid (PFTrDA)	**1.13**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorotetradecanoic acid (PFTeDA)	**0.060**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.066**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.23**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 06:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C5 PFHxA	*85.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C4 PFHpA	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C8 PFOA	*79.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C9 PFNA	*87.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C6 PFDA	*86.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C7 PFUnA	*142*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C2 PFTeDA	*72.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C3 PFBS	*87.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C3 PFHxS	*70.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C8 PFOS	*85.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C8 FOSA	*91.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d3-NMeFOSAA	*90.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d5-NEtFOSAA	*91.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
M2-4:2 FTS	*89.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
M2-6:2 FTS	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
M2-8:2 FTS	*78.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C3 HFPO-DA	*98.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d7-N-MeFOSE-M	*59.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d9-N-EtFOSE-M	*54.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d5-NEtPFOSA	*71.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
d3-NMePFOSA	*82.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*
13C2-PFDoDA	*82.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:15*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7750**		20.5	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Antimony	**0.91**	**J**	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Arsenic	**6.3**		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Barium	**78.7**		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Beryllium	**1.3**		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Cadmium	**0.27**	**J**	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Calcium	**1950**		103	41.7	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Chromium	**38.6**		2.1	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Cobalt	**14.3**		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Copper	**130**		2.1	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Iron	**24600**		61.5	20.7	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Lead	**361**		0.62	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1

Client Sample ID: 13B_5-10

Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4

Matrix: Solid
Percent Solids: 88.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1890		103	10.5	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Manganese	251		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Nickel	62.4		2.1	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Potassium	1170		103	16.6	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Selenium	0.61	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Silver	0.22	J	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Sodium	130		103	46.9	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Thallium	0.094	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Vanadium	24.9		2.1	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1
Zinc	373		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0085	mg/Kg	☼	04/10/25 00:47	04/10/25 04:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13C_0-4

Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1

Client Sample ID: 13C_0-4

Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzo[b]fluoranthene	**0.012**	**J**	0.037	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Butyl benzyl phthalate	**0.093**	**J**	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Fluoranthene	**0.018**	**J**	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1
Pyrene	**0.016**	**J**	0.37	0.0091	mg/Kg	☼	04/08/25 10:09	04/09/25 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*24 - 137*	*04/08/25 10:09*	*04/09/25 02:36*	*1*
2-Fluorobiphenyl	*85*		*38 - 128*	*04/08/25 10:09*	*04/09/25 02:36*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 133*	*04/08/25 10:09*	*04/09/25 02:36*	*1*

Client Sample ID: 13C_0-4

Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*	*04/08/25 10:09*	*04/09/25 02:36*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*04/08/25 10:09*	*04/09/25 02:36*	*1*
Terphenyl-d14 (Surr)	*94*		*44 - 147*	*04/08/25 10:09*	*04/09/25 02:36*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*104*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*
DCB Decachlorobiphenyl	*111*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*
Tetrachloro-m-xylene	*108*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*
Tetrachloro-m-xylene	*98*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*77*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:26*	*1*
DCB Decachlorobiphenyl	*93*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:26*	*1*

Client Sample ID: 13C_0-4
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5
Matrix: Solid
Percent Solids: 89.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*94*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:26*	*1*
Tetrachloro-m-xylene	*117*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:26*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorooctanoic acid (PFOA)	**0.042**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorononanoic acid (PFNA)	**0.16**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorodecanoic acid (PFDA)	**0.096**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoroundecanoic acid (PFUnA)	**0.38**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorododecanoic acid (PFDoA)	**0.088**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorotridecanoic acid (PFTrDA)	**0.46**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorooctanesulfonic acid (PFOS)	**0.090**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1

Client Sample ID: 13C_0-4
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5
Matrix: Solid
Percent Solids: 89.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.45	U	3.45	0.86	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.45	U	3.45	0.86	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 06:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C5 PFHxA	*88.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C8 PFOA	*85.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C9 PFNA	*93.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C6 PFDA	*90.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C7 PFUnA	*147*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C2 PFTeDA	*81.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C3 PFBS	*93.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C3 PFHxS	*77.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C8 PFOS	*91.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C8 FOSA	*95.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d3-NMeFOSAA	*94.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d5-NEtFOSAA	*93.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
M2-4:2 FTS	*85.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
M2-6:2 FTS	*96.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
M2-8:2 FTS	*81.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C3 HFPO-DA	*97.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d7-N-MeFOSE-M	*66.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d9-N-EtFOSE-M	*57.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d5-NEtPFOSA	*71.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
d3-NMePFOSA	*83.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*
13C2-PFDoDA	*82.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7140**		22.3	6.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Antimony	**0.85**	**J**	1.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Arsenic	**5.5**		1.1	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Barium	**61.0**		2.2	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Beryllium	**0.83**		0.45	0.064	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1

Client Sample ID: 13C_0-4

Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5

Matrix: Solid
Percent Solids: 89.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.22	J	1.1	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Calcium	1980		112	45.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Chromium	25.3		2.2	1.0	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Cobalt	7.6		2.2	0.17	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Copper	62.2		2.2	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Iron	18700		66.9	22.5	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Lead	415		0.67	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Magnesium	1770		112	11.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Manganese	144		4.5	0.45	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Nickel	24.0		2.2	0.52	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Potassium	1030		112	18.1	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Selenium	0.35	J	1.4	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Silver	0.18	J	0.45	0.099	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Sodium	118		112	51.0	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Thallium	0.073	J	0.45	0.046	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Vanadium	21.6		2.2	0.23	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1
Zinc	172		8.9	3.4	mg/Kg	☼	04/11/25 07:07	04/11/25 15:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0092	J	0.017	0.0080	mg/Kg	☼	04/10/25 00:47	04/10/25 04:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 13C_4-8

Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6

Matrix: Solid
Percent Solids: 88.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
4-Nitrophenol	0.75	U	0.75	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzo[b]fluoranthene	**0.0098**	**J**	0.037	0.0096	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Butyl benzyl phthalate	**0.018**	**J**	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1
Pyrene	**0.012**	**J**	0.37	0.0093	mg/Kg	☼	04/08/25 10:09	04/09/25 02:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*04/08/25 10:09*	*04/09/25 02:58*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*04/08/25 10:09*	*04/09/25 02:58*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 133*	*04/08/25 10:09*	*04/09/25 02:58*	*1*
Nitrobenzene-d5 (Surr)	*80*		*31 - 120*	*04/08/25 10:09*	*04/09/25 02:58*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*04/08/25 10:09*	*04/09/25 02:58*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*04/08/25 10:09*	*04/09/25 02:58*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:34*	*1*
DCB Decachlorobiphenyl	*113*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:34*	*1*
Tetrachloro-m-xylene	*110*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:34*	*1*
Tetrachloro-m-xylene	*102*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:43*	*1*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:43*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:43*	*1*
Tetrachloro-m-xylene	*121*		*20 - 150*	*04/07/25 17:03*	*04/08/25 11:43*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorononanoic acid (PFNA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorodecanoic acid (PFDA)	**0.075**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoroundecanoic acid (PFUnA)	**0.46**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorododecanoic acid (PFDoA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorotridecanoic acid (PFTrDA)	**0.59**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorotetradecanoic acid (PFTeDA)	**0.043**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorooctanesulfonic acid (PFOS)	**0.066**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid
Percent Solids: 88.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 06:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C5 PFHxA	*90.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C8 PFOA	*86.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C9 PFNA	*91.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C6 PFDA	*91.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C7 PFUnA	*154*	*	*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C2 PFTeDA	*83.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C3 PFBS	*95.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C3 PFHxS	*77.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C8 PFOS	*93.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C8 FOSA	*96.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d3-NMeFOSAA	*96.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d5-NEtFOSAA	*96.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
M2-4:2 FTS	*97.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
M2-6:2 FTS	*120*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
M2-8:2 FTS	*87.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C3 HFPO-DA	*100*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d7-N-MeFOSE-M	*68.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d9-N-EtFOSE-M	*58.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d5-NEtPFOSA	*72.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
d3-NMePFOSA	*82.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*
13C2-PFDoDA	*86.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 06:48*	*1*

Client Sample ID: 13C_4-8

Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6

Matrix: Solid
Percent Solids: 88.5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7690		20.5	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Antimony	0.75	J	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Arsenic	4.6		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Barium	61.8		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Beryllium	1.2		0.41	0.059	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Cadmium	0.22	J	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Calcium	1500		103	41.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Chromium	31.4		2.1	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Cobalt	9.1		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Copper	83.6		2.1	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Iron	18400		61.6	20.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Lead	334		0.62	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Magnesium	1770		103	10.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Manganese	198		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Nickel	34.2		2.1	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Potassium	1080		103	16.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Selenium	0.30	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Silver	0.22	J	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Sodium	125		103	46.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Thallium	0.083	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Vanadium	21.7		2.1	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1
Zinc	231		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.019	0.0089	mg/Kg	☼	04/10/25 01:10	04/10/25 05:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.5		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.5		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 15A_0-4

Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1

Client Sample ID: 15A_0-4
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.36	U	0.36	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Nitroaniline	0.36	U	0.36	0.092	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Atrazine	0.15	U *	0.15	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzo[b]fluoranthene	**0.013**	**J**	0.036	0.0094	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Caprolactam	0.36	U *	0.36	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Fluoranthene	**0.013**	**J**	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1

Client Sample ID: 15A_0-4

Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7

Matrix: Solid
Percent Solids: 90.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1
Pyrene	**0.016**	**J**	0.36	0.0091	mg/Kg	☼	04/08/25 10:09	04/09/25 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*24 - 137*	*04/08/25 10:09*	*04/09/25 03:21*	*1*
2-Fluorobiphenyl	*73*		*38 - 128*	*04/08/25 10:09*	*04/09/25 03:21*	*1*
2-Fluorophenol (Surr)	*67*		*31 - 133*	*04/08/25 10:09*	*04/09/25 03:21*	*1*
Nitrobenzene-d5 (Surr)	*65*		*31 - 120*	*04/08/25 10:09*	*04/09/25 03:21*	*1*
Phenol-d5 (Surr)	*65*		*35 - 132*	*04/08/25 10:09*	*04/09/25 03:21*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*04/08/25 10:09*	*04/09/25 03:21*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 07:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:50*	*1*
DCB Decachlorobiphenyl	*113*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:50*	*1*
Tetrachloro-m-xylene	*111*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:50*	*1*
Tetrachloro-m-xylene	*103*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:50*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1

Client Sample ID: 15A_0-4
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:00*	*1*
DCB Decachlorobiphenyl	*90*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:00*	*1*
Tetrachloro-m-xylene	*97*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:00*	*1*
Tetrachloro-m-xylene	*120*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:00*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorohexanoic acid (PFHxA)	**0.047**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoroheptanoic acid (PFHpA)	**0.057**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorooctanoic acid (PFOA)	**0.099**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorononanoic acid (PFNA)	**0.36**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorodecanoic acid (PFDA)	**0.35**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoroundecanoic acid (PFUnA)	**1.59**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorododecanoic acid (PFDoA)	**0.27**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorotridecanoic acid (PFTrDA)	**1.94**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorotetradecanoic acid (PFTeDA)	**0.071**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorooctanesulfonic acid (PFOS)	**0.075**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.31**	**J**	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1

Client Sample ID: 15A_0-4
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7
Matrix: Solid
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 07:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C5 PFHxA	*89.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C4 PFHpA	*108*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C8 PFOA	*80.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C9 PFNA	*89.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C6 PFDA	*86.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C7 PFUnA	*147*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C2 PFTeDA	*75.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C3 PFBS	*91.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C3 PFHxS	*75.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C8 PFOS	*87.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C8 FOSA	*92.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
d3-NMeFOSAA	*91.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
d5-NEtFOSAA	*94.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
M2-4:2 FTS	*78.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
M2-6:2 FTS	*82.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
M2-8:2 FTS	*77.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*
13C3 HFPO-DA	*98.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:05*	*1*

Client Sample ID: 15A_0-4

Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7

Matrix: Solid
Percent Solids: 90.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	53.0		20 - 150	04/08/25 13:15	04/10/25 07:05	1
d9-N-EtFOSE-M	46.0		20 - 150	04/08/25 13:15	04/10/25 07:05	1
d5-NEtPFOSA	66.4		20 - 150	04/08/25 13:15	04/10/25 07:05	1
d3-NMePFOSA	80.4		20 - 150	04/08/25 13:15	04/10/25 07:05	1
13C2-PFDoDA	83.6		20 - 150	04/08/25 13:15	04/10/25 07:05	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7940		19.7	5.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Antimony	0.95	J	0.98	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Arsenic	6.5		0.98	0.10	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Barium	70.2		2.0	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Beryllium	1.1		0.39	0.056	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Cadmium	0.36	J	0.98	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Calcium	2600		98.4	40.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Chromium	38.2		2.0	0.89	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Cobalt	18.0		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Copper	129		2.0	0.36	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Iron	25400		59.0	19.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Lead	190		0.59	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Magnesium	3240		98.4	10.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Manganese	286		3.9	0.40	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Nickel	75.3		2.0	0.46	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Potassium	1280		98.4	15.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Selenium	0.45	J	1.2	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Silver	0.27	J	0.39	0.088	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Sodium	158		98.4	45.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Thallium	0.091	J	0.39	0.040	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Vanadium	24.7		2.0	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1
Zinc	375		7.9	3.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0083	mg/Kg	☼	04/10/25 01:10	04/10/25 05:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	90.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 15A_4-8

Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8

Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	J	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Methylnaphthalene	**0.39**		0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzo[b]fluoranthene	**0.012**	**J**	0.037	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Fluoranthene	**0.017**	**J**	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.031**	**J**	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Naphthalene	**0.091**	**J**	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Phenanthrene	**0.073**	**J**	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1
Pyrene	**0.059**	**J**	0.37	0.0091	mg/Kg	☼	04/08/25 10:09	04/09/25 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 137*	*04/08/25 10:09*	*04/09/25 03:43*	*1*
2-Fluorobiphenyl	*92*		*38 - 128*	*04/08/25 10:09*	*04/09/25 03:43*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*04/08/25 10:09*	*04/09/25 03:43*	*1*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*	*04/08/25 10:09*	*04/09/25 03:43*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*04/08/25 10:09*	*04/09/25 03:43*	*1*
Terphenyl-d14 (Surr)	*94*		*44 - 147*	*04/08/25 10:09*	*04/09/25 03:43*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endosulfan sulfate	0.0075	U	0.0075	0.00093	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 08:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*17 - 150*	*04/07/25 17:06*	*04/08/25 08:06*	*1*

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*17 - 150*	*04/07/25 17:06*	*04/08/25 08:06*	*1*
Tetrachloro-m-xylene	*113*		*21 - 150*	*04/07/25 17:06*	*04/08/25 08:06*	*1*
Tetrachloro-m-xylene	*106*		*21 - 150*	*04/07/25 17:06*	*04/08/25 08:06*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:16*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:16*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:16*	*1*
Tetrachloro-m-xylene	*123*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:16*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorooctanoic acid (PFOA)	**0.058**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorononanoic acid (PFNA)	**0.19**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorodecanoic acid (PFDA)	**0.23**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoroundecanoic acid (PFUnA)	**1.13**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorododecanoic acid (PFDoA)	**0.37**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorotridecanoic acid (PFTrDA)	**1.36**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorotetradecanoic acid (PFTeDA)	**0.078**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.034**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.37**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.44	U	3.44	0.86	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 07:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C5 PFHxA	*90.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C8 PFOA	*80.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C9 PFNA	*89.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C6 PFDA	*92.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C7 PFUnA	*153*	*	*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C2 PFTeDA	*87.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C3 PFBS	*89.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*
13C3 PFHxS	*73.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 07:55*	*1*

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	89.3		20 - 150	04/08/25 13:15	04/10/25 07:55	1
13C8 FOSA	95.6		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d3-NMeFOSAA	96.4		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d5-NEtFOSAA	97.7		20 - 150	04/08/25 13:15	04/10/25 07:55	1
M2-4:2 FTS	80.3		20 - 150	04/08/25 13:15	04/10/25 07:55	1
M2-6:2 FTS	83.4		20 - 150	04/08/25 13:15	04/10/25 07:55	1
M2-8:2 FTS	79.6		20 - 150	04/08/25 13:15	04/10/25 07:55	1
13C3 HFPO-DA	105		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d7-N-MeFOSE-M	73.0		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d9-N-EtFOSE-M	64.8		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d5-NEtPFOSA	76.1		20 - 150	04/08/25 13:15	04/10/25 07:55	1
d3-NMePFOSA	87.2		20 - 150	04/08/25 13:15	04/10/25 07:55	1
13C2-PFDoDA	92.6		20 - 150	04/08/25 13:15	04/10/25 07:55	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7160		20.8	5.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Antimony	1.2		1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Arsenic	9.2		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Barium	61.4		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Beryllium	1.0		0.42	0.059	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Cadmium	0.41	J	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Calcium	2330		104	42.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Chromium	29.0		2.1	0.94	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Cobalt	11.4		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Copper	94.9		2.1	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Iron	24600		62.4	21.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Lead	198		0.62	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Magnesium	2320		104	10.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Manganese	181		4.2	0.42	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Nickel	46.5		2.1	0.49	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Potassium	1110		104	16.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Selenium	0.58	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Silver	0.29	J	0.42	0.093	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Sodium	110		104	47.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Thallium	0.069	J	0.42	0.043	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Vanadium	29.9		2.1	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1
Zinc	316		8.3	3.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.017	0.0081	mg/Kg	☼	04/10/25 01:10	04/10/25 05:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			04/08/25 08:30	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 15B_0-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1

Client Sample ID: 15B_0-4

Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9

Matrix: Solid
Percent Solids: 88.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Di-n-butyl phthalate	**0.026**	**J**	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1
Pyrene	0.37	U	0.37	0.0092	mg/Kg	☼	04/08/25 10:09	04/09/25 01:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*64*		*24 - 137*	*04/08/25 10:09*	*04/09/25 01:07*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*04/08/25 10:09*	*04/09/25 01:07*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*04/08/25 10:09*	*04/09/25 01:07*	*1*
Nitrobenzene-d5 (Surr)	*67*		*31 - 120*	*04/08/25 10:09*	*04/09/25 01:07*	*1*
Phenol-d5 (Surr)	*67*		*35 - 132*	*04/08/25 10:09*	*04/09/25 01:07*	*1*
Terphenyl-d14 (Surr)	*80*		*44 - 147*	*04/08/25 10:09*	*04/09/25 01:07*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endosulfan sulfate	0.0075	U	0.0075	0.00095	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1

Client Sample ID: 15B_0-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9
Matrix: Solid
Percent Solids: 88.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 08:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*17 - 150*	*04/07/25 17:06*	*04/08/25 08:22*	*1*
DCB Decachlorobiphenyl	*117*		*17 - 150*	*04/07/25 17:06*	*04/08/25 08:22*	*1*
Tetrachloro-m-xylene	*114*		*21 - 150*	*04/07/25 17:06*	*04/08/25 08:22*	*1*
Tetrachloro-m-xylene	*106*		*21 - 150*	*04/07/25 17:06*	*04/08/25 08:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:33*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:33*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:33*	*1*
Tetrachloro-m-xylene	*125*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:33*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorononanoic acid (PFNA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorodecanoic acid (PFDA)	**0.20**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoroundecanoic acid (PFUnA)	**1.20**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorododecanoic acid (PFDoA)	**0.35**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorotridecanoic acid (PFTrDA)	**1.34**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorotetradecanoic acid (PFTeDA)	**0.089**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1

Client Sample ID: 15B_0-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9
Matrix: Solid
Percent Solids: 88.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.23**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C5 PFHxA	*92.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C4 PFHpA	*112*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C8 PFOA	*79.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C9 PFNA	*91.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C6 PFDA	*84.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*
13C7 PFUnA	*139*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:11*	*1*

Client Sample ID: 15B_0-4

Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9

Matrix: Solid
Percent Solids: 88.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	82.8		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C3 PFBS	91.8		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C3 PFHxS	73.3		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C8 PFOS	87.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C8 FOSA	91.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d3-NMeFOSAA	89.5		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d5-NEtFOSAA	85.8		20 - 150	04/08/25 13:15	04/10/25 08:11	1
M2-4:2 FTS	76.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
M2-6:2 FTS	77.1		20 - 150	04/08/25 13:15	04/10/25 08:11	1
M2-8:2 FTS	68.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C3 HFPO-DA	104		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d7-N-MeFOSE-M	79.5		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d9-N-EtFOSE-M	71.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d5-NEtPFOSA	70.7		20 - 150	04/08/25 13:15	04/10/25 08:11	1
d3-NMePFOSA	82.4		20 - 150	04/08/25 13:15	04/10/25 08:11	1
13C2-PFDoDA	80.9		20 - 150	04/08/25 13:15	04/10/25 08:11	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7490		20.5	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Antimony	1.3		1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Arsenic	6.3		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Barium	78.0		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Beryllium	1.5		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Cadmium	0.33	J	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Calcium	9410		102	41.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Chromium	42.9		2.0	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Cobalt	16.1		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Copper	178		2.0	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Iron	21500		61.5	20.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Lead	341		0.61	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Magnesium	6690		102	10.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Manganese	214		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Nickel	102		2.0	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Potassium	1120		102	16.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Selenium	0.68	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Silver	0.32	J	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Sodium	147		102	46.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Thallium	0.085	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Vanadium	22.0		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1
Zinc	414		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020		0.018	0.0083	mg/Kg	☼	04/10/25 01:10	04/10/25 05:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Di-n-butyl phthalate	**0.037**	**J**	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1
Pyrene	0.37	U	0.37	0.0092	mg/Kg	☼	04/08/25 10:09	04/09/25 04:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*04/08/25 10:09*	*04/09/25 04:49*	*1*
2-Fluorobiphenyl	*101*		*38 - 128*	*04/08/25 10:09*	*04/09/25 04:49*	*1*
2-Fluorophenol (Surr)	*94*		*31 - 133*	*04/08/25 10:09*	*04/09/25 04:49*	*1*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*	*04/08/25 10:09*	*04/09/25 04:49*	*1*
Phenol-d5 (Surr)	*92*		*35 - 132*	*04/08/25 10:09*	*04/09/25 04:49*	*1*
Terphenyl-d14 (Surr)	*105*		*44 - 147*	*04/08/25 10:09*	*04/09/25 04:49*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
4,4'-DDE	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Dieldrin	0.0022	U	0.0022	0.00098	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00070	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Heptachlor	0.0075	U	0.0075	0.00089	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:04*	*1*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:04*	*1*
Tetrachloro-m-xylene	*102*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:04*	*1*
Tetrachloro-m-xylene	*109*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:04*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:50*	*1*
DCB Decachlorobiphenyl	*90*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:50*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:50*	*1*
Tetrachloro-m-xylene	*119*		*20 - 150*	*04/07/25 17:03*	*04/08/25 12:50*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorohexanoic acid (PFHxA)	**0.050**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoroheptanoic acid (PFHpA)	**0.052**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorononanoic acid (PFNA)	**0.46**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorodecanoic acid (PFDA)	**0.17**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoroundecanoic acid (PFUnA)	**0.89**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorododecanoic acid (PFDoA)	**0.22**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorotridecanoic acid (PFTrDA)	**1.44**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorotetradecanoic acid (PFTeDA)	**0.070**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.066**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.22**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.50	U	3.50	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.50	U	3.50	0.88	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 13:15	04/10/25 08:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C5 PFHxA	*90.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C4 PFHpA	*108*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C8 PFOA	*80.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C9 PFNA	*90.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*
13C6 PFDA	*86.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:28*	*1*

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	145		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C2 PFTeDA	79.0		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C3 PFBS	87.5		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C3 PFHxS	73.3		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C8 PFOS	84.2		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C8 FOSA	94.0		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d3-NMeFOSAA	93.5		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d5-NEtFOSAA	95.1		20 - 150	04/08/25 13:15	04/10/25 08:28	1
M2-4:2 FTS	73.6		20 - 150	04/08/25 13:15	04/10/25 08:28	1
M2-6:2 FTS	77.1		20 - 150	04/08/25 13:15	04/10/25 08:28	1
M2-8:2 FTS	73.4		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C3 HFPO-DA	98.3		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d7-N-MeFOSE-M	70.5		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d9-N-EtFOSE-M	64.0		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d5-NEtPFOSA	72.7		20 - 150	04/08/25 13:15	04/10/25 08:28	1
d3-NMePFOSA	86.9		20 - 150	04/08/25 13:15	04/10/25 08:28	1
13C2-PFDoDA	81.8		20 - 150	04/08/25 13:15	04/10/25 08:28	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7310		20.0	5.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Antimony	1.1		1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Arsenic	7.0		1.0	0.10	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Barium	63.7		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Beryllium	1.3		0.40	0.057	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Cadmium	0.36	J	1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Calcium	2330		100	40.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Chromium	34.5		2.0	0.91	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Cobalt	13.3		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Copper	139		2.0	0.37	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Iron	22600		60.1	20.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Lead	247		0.60	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Magnesium	2780		100	10.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Manganese	216		4.0	0.40	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Nickel	76.3		2.0	0.47	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Potassium	1130		100	16.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Selenium	0.73	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Silver	0.31	J	0.40	0.089	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Sodium	127		100	45.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Thallium	0.088	J	0.40	0.041	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Vanadium	24.5		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1
Zinc	314		8.0	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.019	0.0088	mg/Kg	☼	04/10/25 01:10	04/10/25 05:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 15B_4-8

Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	89.2		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 17A_0-4

Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	04/08/25 10:09	04/08/25 22:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*24 - 137*	*04/08/25 10:09*	*04/08/25 22:08*	*1*
2-Fluorobiphenyl	*62*		*38 - 128*	*04/08/25 10:09*	*04/08/25 22:08*	*1*
2-Fluorophenol (Surr)	*59*		*31 - 133*	*04/08/25 10:09*	*04/08/25 22:08*	*1*
Nitrobenzene-d5 (Surr)	*57*		*31 - 120*	*04/08/25 10:09*	*04/08/25 22:08*	*1*
Phenol-d5 (Surr)	*58*		*35 - 132*	*04/08/25 10:09*	*04/08/25 22:08*	*1*
Terphenyl-d14 (Surr)	*68*		*44 - 147*	*04/08/25 10:09*	*04/08/25 22:08*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/07/25 17:06	04/08/25 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:16*	*1*
DCB Decachlorobiphenyl	*107*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:16*	*1*
Tetrachloro-m-xylene	*125*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:16*	*1*
Tetrachloro-m-xylene	*121*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:16*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:07*	*1*
DCB Decachlorobiphenyl	*98*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:07*	*1*
Tetrachloro-m-xylene	*99*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:07*	*1*
Tetrachloro-m-xylene	*124*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:07*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorononanoic acid (PFNA)	**0.067**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorodecanoic acid (PFDA)	**0.057**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoroundecanoic acid (PFUnA)	**0.54**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorododecanoic acid (PFDoA)	**0.045**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorotridecanoic acid (PFTrDA)	**0.40**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.42	U	1.42	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.42	U	1.42	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.54	U	3.54	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.54	U	3.54	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 08:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:45*	*1*
13C5 PFPeA	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 08:45*	*1*

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFHxA	90.0		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C4 PFHpA	111		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C8 PFOA	82.6		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C9 PFNA	89.8		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C6 PFDA	84.8		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C7 PFUnA	139		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C2 PFTeDA	72.1		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C3 PFBS	89.7		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C3 PFHxS	74.0		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C8 PFOS	87.0		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C8 FOSA	92.6		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d3-NMeFOSAA	88.7		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d5-NEtFOSAA	88.0		20 - 150	04/08/25 13:15	04/10/25 08:45	1
M2-4:2 FTS	75.3		20 - 150	04/08/25 13:15	04/10/25 08:45	1
M2-6:2 FTS	72.5		20 - 150	04/08/25 13:15	04/10/25 08:45	1
M2-8:2 FTS	66.8		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C3 HFPO-DA	104		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d7-N-MeFOSE-M	55.3		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d9-N-EtFOSE-M	50.2		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d5-NEtPFOSA	66.6		20 - 150	04/08/25 13:15	04/10/25 08:45	1
d3-NMePFOSA	80.5		20 - 150	04/08/25 13:15	04/10/25 08:45	1
13C2-PFDoDA	78.9		20 - 150	04/08/25 13:15	04/10/25 08:45	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8280		21.2	5.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Antimony	0.82	J	1.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Arsenic	5.8		1.1	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Barium	42.4		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Beryllium	0.75		0.42	0.060	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Cadmium	0.21	J	1.1	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Calcium	3370		106	43.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Chromium	17.2		2.1	0.96	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Cobalt	7.7		2.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Copper	47.5		2.1	0.39	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Iron	19600		63.6	21.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Lead	87.3		0.64	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Magnesium	3970		106	10.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Manganese	261		4.2	0.43	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Nickel	22.1		2.1	0.50	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Potassium	1160		106	17.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Selenium	0.21	J	1.3	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Silver	0.13	J	0.42	0.094	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Sodium	64.5	J	106	48.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Thallium	0.087	J	0.42	0.043	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Vanadium	21.8		2.1	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1
Zinc	119		8.5	3.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:12	1

Client Sample ID: 17A_0-4

Lab Sample ID: 460-323525-11
Date Collected: 04/03/25 09:40
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.3

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.018	0.0083	mg/Kg	☼	04/10/25 01:10	04/10/25 05:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.7		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.3		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 17A_4-8

Lab Sample ID: 460-323525-12
Date Collected: 04/03/25 09:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.025	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
3 & 4 Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
3-Nitroaniline	0.38	U	0.38	0.089	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Nitroaniline	0.38	U	0.38	0.095	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Benzaldehyde	0.38	U *	0.38	0.062	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid
Percent Solids: 87.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.038	U	0.038	0.0097	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Di-n-butyl phthalate	**0.021**	**J**	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	04/08/25 10:09	04/08/25 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*	*04/08/25 10:09*	*04/08/25 22:30*	*1*
2-Fluorobiphenyl	*87*		*38 - 128*	*04/08/25 10:09*	*04/08/25 22:30*	*1*
2-Fluorophenol (Surr)	*84*		*31 - 133*	*04/08/25 10:09*	*04/08/25 22:30*	*1*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*	*04/08/25 10:09*	*04/08/25 22:30*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*04/08/25 10:09*	*04/08/25 22:30*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*04/08/25 10:09*	*04/08/25 22:30*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Aldrin	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid
Percent Solids: 87.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endosulfan sulfate	0.0076	U	0.0076	0.00096	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	☼	04/07/25 17:06	04/08/25 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:29*	*1*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:29*	*1*
Tetrachloro-m-xylene	*103*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:29*	*1*
Tetrachloro-m-xylene	*101*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:29*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:23*	*1*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:23*	*1*
Tetrachloro-m-xylene	*93*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:23*	*1*
Tetrachloro-m-xylene	*118*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:23*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorononanoic acid (PFNA)	**0.067**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorodecanoic acid (PFDA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoroundecanoic acid (PFUnA)	**0.43**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid
Percent Solids: 87.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorotridecanoic acid (PFTrDA)	**0.43**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.56	U	3.56	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.56	U	3.56	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid
Percent Solids: 87.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 09:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C5 PFPeA	*101*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C5 PFHxA	*89.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C4 PFHpA	*105*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C8 PFOA	*86.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C9 PFNA	*92.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C6 PFDA	*87.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C7 PFUnA	*153*	*	*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C2 PFTeDA	*89.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C3 PFBS	*90.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C3 PFHxS	*75.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C8 PFOS	*91.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C8 FOSA	*92.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d3-NMeFOSAA	*92.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d5-NEtFOSAA	*92.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
M2-4:2 FTS	*76.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
M2-6:2 FTS	*75.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
M2-8:2 FTS	*73.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C3 HFPO-DA	*98.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d7-N-MeFOSE-M	*70.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d9-N-EtFOSE-M	*62.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d5-NEtPFOSA	*69.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
d3-NMePFOSA	*82.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*
13C2-PFDoDA	*86.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10800**		21.7	6.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Antimony	**0.48**	**J**	1.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Arsenic	**5.0**		1.1	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Barium	**52.1**		2.2	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Beryllium	**0.72**		0.43	0.062	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Cadmium	**0.20**	**J**	1.1	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Calcium	**1820**		109	44.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Chromium	**17.5**		2.2	0.99	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Cobalt	**8.0**		2.2	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Copper	**33.2**		2.2	0.40	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Iron	**23100**		65.2	21.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Lead	**56.9**		0.65	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Magnesium	**4230**		109	11.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Manganese	**335**		4.3	0.44	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Nickel	**17.7**		2.2	0.51	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Potassium	**1460**		109	17.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Selenium	**0.20**	**J**	1.4	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Silver	**0.10**	**J**	0.43	0.097	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Sodium	**74.4**	**J**	109	49.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Thallium	**0.11**	**J**	0.43	0.045	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1

Client Sample ID: 17A_4-8

Lab Sample ID: 460-323525-12

Date Collected: 04/03/25 09:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	23.8		2.2	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1
Zinc	72.8		8.7	3.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019		0.017	0.0082	mg/Kg	☼	04/10/25 01:10	04/10/25 05:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 17B_0-4

Lab Sample ID: 460-323525-13

Date Collected: 04/03/25 10:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.046	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Nitroaniline	0.36	U	0.36	0.092	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Atrazine	0.15	U *	0.15	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzo[b]fluoranthene	**0.0096**	**J**	0.036	0.0093	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Di-n-butyl phthalate	**0.075**	**J**	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Isophorone	0.15	U	0.15	0.10	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1
Pyrene	**0.011**	**J**	0.36	0.0090	mg/Kg	☼	04/08/25 10:09	04/08/25 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 137*	*04/08/25 10:09*	*04/08/25 23:37*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*04/08/25 10:09*	*04/08/25 23:37*	*1*
2-Fluorophenol (Surr)	*74*		*31 - 133*	*04/08/25 10:09*	*04/08/25 23:37*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*04/08/25 10:09*	*04/08/25 23:37*	*1*
Phenol-d5 (Surr)	*71*		*35 - 132*	*04/08/25 10:09*	*04/08/25 23:37*	*1*
Terphenyl-d14 (Surr)	*84*		*44 - 147*	*04/08/25 10:09*	*04/08/25 23:37*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid
Percent Solids: 91.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endosulfan sulfate	0.0073	U	0.0073	0.00092	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	04/07/25 17:06	04/08/25 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*118*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:41*	*1*
DCB Decachlorobiphenyl	*101*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:41*	*1*
Tetrachloro-m-xylene	*116*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:41*	*1*
Tetrachloro-m-xylene	*113*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	04/07/25 17:03	04/08/25 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:41*	*1*
DCB Decachlorobiphenyl	*96*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:41*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:41*	*1*
Tetrachloro-m-xylene	*124*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:41*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid
Percent Solids: 91.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorooctanoic acid (PFOA)	**0.041**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorononanoic acid (PFNA)	**0.17**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorodecanoic acid (PFDA)	**0.17**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoroundecanoic acid (PFUnA)	**2.38**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorododecanoic acid (PFDoA)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorotridecanoic acid (PFTrDA)	**3.55**		0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorotetradecanoic acid (PFTeDA)	**0.052**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorooctanesulfonic acid (PFOS)	**0.054**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid
Percent Solids: 91.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 13:15	04/10/25 09:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C5 PFHxA	*90.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C8 PFOA	*86.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C9 PFNA	*92.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C6 PFDA	*87.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C7 PFUnA	*146*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C2 PFTeDA	*80.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C3 PFBS	*92.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C3 PFHxS	*74.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C8 PFOS	*87.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C8 FOSA	*92.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d3-NMeFOSAA	*94.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d5-NEtFOSAA	*93.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
M2-4:2 FTS	*81.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
M2-6:2 FTS	*83.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
M2-8:2 FTS	*71.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C3 HFPO-DA	*104*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d7-N-MeFOSE-M	*56.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d9-N-EtFOSE-M	*47.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d5-NEtPFOSA	*72.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
d3-NMePFOSA	*85.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*
13C2-PFDoDA	*86.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:18*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7330**		20.5	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Antimony	**1.4**		1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Arsenic	**7.9**		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Barium	**60.8**		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Beryllium	**2.3**		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Cadmium	**0.49**	**J**	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Calcium	**37200**		102	41.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Chromium	**26.0**		2.0	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Cobalt	**8.7**		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Copper	**82.0**		2.0	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Iron	**20300**		61.4	20.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Lead	**283**		0.61	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1

Client Sample ID: 17B_0-4

Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13

Matrix: Solid
Percent Solids: 91.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	19800		102	10.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Manganese	230		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Nickel	29.7		2.0	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Potassium	1100		102	16.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Selenium	0.30	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Silver	0.34	J	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Sodium	124		102	46.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Thallium	0.13	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Vanadium	26.2		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1
Zinc	263		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.051		0.018	0.0086	mg/Kg	☼	04/10/25 01:10	04/10/25 05:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.6		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	91.4		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 17B_4-8

Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14

Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4-Dimethylphenol	0.36	U	0.36	0.044	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Chloronaphthalene	0.36	U	0.36	0.047	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Methylnaphthalene	0.022	J	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
2-Nitrophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
3-Nitroaniline	0.36	U	0.36	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Nitroaniline	0.36	U	0.36	0.093	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzo[a]anthracene	0.036	U	0.036	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0072	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Caprolactam	0.36	U *	0.36	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Di-n-butyl phthalate	**0.015**	**J**	0.36	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Hexachloroethane	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Naphthalene	**0.0082**	**J**	0.36	0.0063	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Phenanthrene	**0.031**	**J**	0.36	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1
Pyrene	**0.010**	**J**	0.36	0.0091	mg/Kg	☼	04/08/25 10:09	04/09/25 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*	*04/08/25 10:09*	*04/09/25 00:00*	*1*
2-Fluorobiphenyl	*90*		*38 - 128*	*04/08/25 10:09*	*04/09/25 00:00*	*1*
2-Fluorophenol (Surr)	*86*		*31 - 133*	*04/08/25 10:09*	*04/09/25 00:00*	*1*

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*04/08/25 10:09*	*04/09/25 00:00*	*1*
Phenol-d5 (Surr)	*84*		*35 - 132*	*04/08/25 10:09*	*04/09/25 00:00*	*1*
Terphenyl-d14 (Surr)	*95*		*44 - 147*	*04/08/25 10:09*	*04/09/25 00:00*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/07/25 17:06	04/08/25 06:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*107*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:53*	*1*
DCB Decachlorobiphenyl	*94*		*17 - 150*	*04/07/25 17:06*	*04/08/25 06:53*	*1*
Tetrachloro-m-xylene	*105*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:53*	*1*
Tetrachloro-m-xylene	*105*		*21 - 150*	*04/07/25 17:06*	*04/08/25 06:53*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 13:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:57*	*1*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:57*	*1*

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*99*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:57*	*1*
Tetrachloro-m-xylene	*122*		*20 - 150*	*04/07/25 17:03*	*04/08/25 13:57*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorohexanoic acid (PFHxA)	**0.046**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoroheptanoic acid (PFHpA)	**0.049**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorooctanoic acid (PFOA)	**0.14**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorononanoic acid (PFNA)	**0.34**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorodecanoic acid (PFDA)	**0.27**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoroundecanoic acid (PFUnA)	**0.95**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorododecanoic acid (PFDoA)	**0.15**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorotridecanoic acid (PFTrDA)	**2.88**		0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorotetradecanoic acid (PFTeDA)	**0.064**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorobutanesulfonic acid (PFBS)	**0.058**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorooctanesulfonic acid (PFOS)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.21**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 13:15	04/10/25 09:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C5 PFPeA	*108*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C5 PFHxA	*95.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C4 PFHpA	*114*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C8 PFOA	*84.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C9 PFNA	*90.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C6 PFDA	*91.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C7 PFUnA	*159*	*	*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C2 PFTeDA	*58.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C3 PFBS	*90.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C3 PFHxS	*73.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C8 PFOS	*88.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C8 FOSA	*98.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d3-NMeFOSAA	*98.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d5-NEtFOSAA	*105*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
M2-4:2 FTS	*91.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
M2-6:2 FTS	*111*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
M2-8:2 FTS	*78.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C3 HFPO-DA	*106*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d7-N-MeFOSE-M	*77.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d9-N-EtFOSE-M	*68.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d5-NEtPFOSA	*73.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
d3-NMePFOSA	*87.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*
13C2-PFDoDA	*87.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:35*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10100**		20.4	5.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Antimony	**1.1**		1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Arsenic	**6.8**		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1

Client Sample ID: 17B_4-8

Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14

Matrix: Solid
Percent Solids: 89.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	111		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Beryllium	3.5		0.41	0.058	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Cadmium	0.65	J	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Calcium	37200		102	41.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Chromium	51.3		2.0	0.93	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Cobalt	10.9		2.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Copper	103		2.0	0.38	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Iron	24000		61.2	20.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Lead	716		0.61	0.20	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Magnesium	20300		102	10.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Manganese	204		4.1	0.41	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Nickel	44.4		2.0	0.48	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Potassium	1370		102	16.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Selenium	0.31	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Silver	0.31	J	0.41	0.091	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Sodium	220		102	46.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Thallium	0.12	J	0.41	0.042	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Vanadium	26.4		2.0	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1
Zinc	431		8.2	3.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.017	0.0081	mg/Kg	☼	04/10/25 01:10	04/10/25 05:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18A_0-5

Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15

Matrix: Solid
Percent Solids: 86.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1

Client Sample ID: 18A_0-5
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
4-Nitrophenol	0.78	U	0.78	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Atrazine	0.15	U *	0.15	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Caprolactam	0.38	U *	0.38	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1

Client Sample ID: 18A_0-5

Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15

Matrix: Solid
Percent Solids: 86.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1
Pyrene	0.38	U	0.38	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*04/08/25 10:09*	*04/09/25 00:22*	*1*
2-Fluorobiphenyl	*82*		*38 - 128*	*04/08/25 10:09*	*04/09/25 00:22*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*04/08/25 10:09*	*04/09/25 00:22*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*04/08/25 10:09*	*04/09/25 00:22*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*04/08/25 10:09*	*04/09/25 00:22*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*04/08/25 10:09*	*04/09/25 00:22*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
4,4'-DDE	0.0078	U	0.0078	0.00092	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
cis-Chlordane	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	04/07/25 17:06	04/08/25 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:05*	*1*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:05*	*1*
Tetrachloro-m-xylene	*102*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:05*	*1*
Tetrachloro-m-xylene	*99*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:05*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1221	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1232	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1242	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1

Client Sample ID: 18A_0-5
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1254	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1260	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor-1262	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Aroclor 1268	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.021	mg/Kg	☼	04/07/25 17:03	04/08/25 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:14*	*1*
DCB Decachlorobiphenyl	*93*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:14*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:14*	*1*
Tetrachloro-m-xylene	*118*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:14*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.29	0.073	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorohexanoic acid (PFHxA)	**0.096**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorooctanoic acid (PFOA)	**0.21**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorononanoic acid (PFNA)	**0.34**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorodecanoic acid (PFDA)	**0.33**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoroundecanoic acid (PFUnA)	**1.63**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorododecanoic acid (PFDoA)	**0.18**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorotridecanoic acid (PFTrDA)	**1.72**		0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorotetradecanoic acid (PFTeDA)	**0.061**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1

Client Sample ID: 18A_0-5
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15
Matrix: Solid
Percent Solids: 86.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.46	U	1.46	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.46	U	1.46	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.73	U	0.73	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.65	U	3.65	0.91	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.65	U	3.65	0.91	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 13:15	04/10/25 09:51	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C5 PFPeA	*97.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C5 PFHxA	*83.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C4 PFHpA	*103*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C8 PFOA	*75.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C9 PFNA	*88.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C6 PFDA	*84.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C7 PFUnA	*136*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C2 PFTeDA	*82.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C3 PFBS	*89.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C3 PFHxS	*72.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C8 PFOS	*86.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C8 FOSA	*122*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
d3-NMeFOSAA	*92.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
d5-NEtFOSAA	*93.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
M2-4:2 FTS	*101*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
M2-6:2 FTS	*86.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
M2-8:2 FTS	*84.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
13C3 HFPO-DA	*93.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
d7-N-MeFOSE-M	*54.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*
d9-N-EtFOSE-M	*55.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 09:51*	*1*

Client Sample ID: 18A_0-5

Lab Sample ID: 460-323525-15
Date Collected: 04/03/25 13:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 86.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtPFOSA	69.9		20 - 150	04/08/25 13:15	04/10/25 09:51	1
d3-NMePFOSA	80.9		20 - 150	04/08/25 13:15	04/10/25 09:51	1
13C2-PFDoDA	82.2		20 - 150	04/08/25 13:15	04/10/25 09:51	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4360		21.9	6.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Antimony	0.16	J	1.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Arsenic	4.1		1.1	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Barium	41.1		2.2	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Beryllium	0.25	J	0.44	0.062	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Calcium	327		110	44.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Chromium	13.8		2.2	0.99	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Cobalt	1.0	J	2.2	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Copper	13.4		2.2	0.40	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Iron	5580		65.7	22.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Lead	16.4		0.66	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Magnesium	357		110	11.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Manganese	27.2		4.4	0.44	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Nickel	2.3		2.2	0.51	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Potassium	981		110	17.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Selenium	0.21	J	1.4	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Silver	0.44	U	0.44	0.097	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Sodium	110	U	110	50.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Thallium	0.13	J	0.44	0.045	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Vanadium	14.2		2.2	0.23	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1
Zinc	11.2		8.8	3.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.017	0.0082	mg/Kg	☼	04/10/25 01:10	04/10/25 05:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.9		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.1		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18A_5-10

Lab Sample ID: 460-323525-16
Date Collected: 04/03/25 13:10
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1

Client Sample ID: 18A_5-10
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16
Matrix: Solid
Percent Solids: 87.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
3 & 4 Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
3-Nitroaniline	0.38	U	0.38	0.089	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzaldehyde	0.38	U *	0.38	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0097	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Di-n-butyl phthalate	**0.037**	**J**	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1

Client Sample ID: 18A_5-10

Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16

Matrix: Solid
Percent Solids: 87.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	04/08/25 10:09	04/09/25 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*04/08/25 10:09*	*04/09/25 00:44*	*1*
2-Fluorobiphenyl	*96*		*38 - 128*	*04/08/25 10:09*	*04/09/25 00:44*	*1*
2-Fluorophenol (Surr)	*88*		*31 - 133*	*04/08/25 10:09*	*04/09/25 00:44*	*1*
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*04/08/25 10:09*	*04/09/25 00:44*	*1*
Phenol-d5 (Surr)	*86*		*35 - 132*	*04/08/25 10:09*	*04/09/25 00:44*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*04/08/25 10:09*	*04/09/25 00:44*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
4,4'-DDE	0.0077	U	0.0077	0.00090	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Chlordane (technical)	0.077	U	0.077	0.018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Heptachlor	0.0077	U	0.0077	0.00090	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Methoxychlor	0.0077	U	0.0077	0.0017	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/07/25 17:06	04/08/25 07:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*
Tetrachloro-m-xylene	*112*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*

Client Sample ID: 18A_5-10

Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16

Matrix: Solid
Percent Solids: 87.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/07/25 17:03	04/08/25 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:30*	*1*
DCB Decachlorobiphenyl	*101*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:30*	*1*
Tetrachloro-m-xylene	*106*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:30*	*1*
Tetrachloro-m-xylene	*129*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:30*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoropentanoic acid (PFPeA)	**0.084**	**J**	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorohexanoic acid (PFHxA)	**0.092**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoroheptanoic acid (PFHpA)	**0.18**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorooctanoic acid (PFOA)	**0.25**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorononanoic acid (PFNA)	**0.34**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorodecanoic acid (PFDA)	**0.23**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoroundecanoic acid (PFUnA)	**1.73**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorododecanoic acid (PFDoA)	**0.26**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorotridecanoic acid (PFTrDA)	**2.22**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorotetradecanoic acid (PFTeDA)	**0.090**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorooctanesulfonic acid (PFOS)	**0.077**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1

Client Sample ID: 18A_5-10
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16
Matrix: Solid
Percent Solids: 87.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.57	U	3.57	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.57	U	3.57	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 10:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C5 PFHxA	*89.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C4 PFHpA	*109*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C8 PFOA	*79.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C9 PFNA	*89.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C6 PFDA	*84.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C7 PFUnA	*146*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C2 PFTeDA	*84.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C3 PFBS	*92.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C3 PFHxS	*72.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C8 PFOS	*88.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*
13C8 FOSA	*94.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:08*	*1*

Client Sample ID: 18A_5-10

Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16

Matrix: Solid
Percent Solids: 87.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	91.6		20 - 150	04/08/25 13:15	04/10/25 10:08	1
d5-NEtFOSAA	93.1		20 - 150	04/08/25 13:15	04/10/25 10:08	1
M2-4:2 FTS	83.6		20 - 150	04/08/25 13:15	04/10/25 10:08	1
M2-6:2 FTS	79.3		20 - 150	04/08/25 13:15	04/10/25 10:08	1
M2-8:2 FTS	78.9		20 - 150	04/08/25 13:15	04/10/25 10:08	1
13C3 HFPO-DA	99.8		20 - 150	04/08/25 13:15	04/10/25 10:08	1
d7-N-MeFOSE-M	61.8		20 - 150	04/08/25 13:15	04/10/25 10:08	1
d9-N-EtFOSE-M	52.9		20 - 150	04/08/25 13:15	04/10/25 10:08	1
d5-NEtPFOSA	71.7		20 - 150	04/08/25 13:15	04/10/25 10:08	1
d3-NMePFOSA	83.6		20 - 150	04/08/25 13:15	04/10/25 10:08	1
13C2-PFDoDA	84.9		20 - 150	04/08/25 13:15	04/10/25 10:08	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10700		21.3	5.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Antimony	1.2		1.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Arsenic	7.5		1.1	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Barium	69.2		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Beryllium	0.91		0.43	0.061	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Cadmium	0.37	J	1.1	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Calcium	1650		107	43.4	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Chromium	24.3		2.1	0.97	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Cobalt	8.3		2.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Copper	53.3		2.1	0.39	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Iron	20700		64.0	21.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Lead	267		0.64	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Magnesium	2770		107	10.9	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Manganese	356		4.3	0.43	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Nickel	18.3		2.1	0.50	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Potassium	1400		107	17.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Selenium	0.45	J	1.3	0.14	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Silver	0.32	J	0.43	0.095	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Sodium	97.5	J	107	48.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Thallium	0.13	J	0.43	0.044	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Vanadium	30.9		2.1	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1
Zinc	126		8.5	3.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.019	0.0090	mg/Kg	☼	04/10/25 01:10	04/10/25 05:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.41	U	0.41	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
1,2,4,5-Tetrachlorobenzene	0.41	U	0.41	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
1,4-Dioxane	0.041	U	0.041	0.036	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,2'-oxybis[1-chloropropane]	0.41	U	0.41	0.025	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,3,4,6-Tetrachlorophenol	0.41	U	0.41	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4,5-Trichlorophenol	0.41	U	0.41	0.042	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4,6-Trichlorophenol	0.17	U	0.17	0.053	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4-Dichlorophenol	0.17	U	0.17	0.027	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4-Dimethylphenol	0.41	U	0.41	0.049	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4-Dinitrophenol	0.33	U	0.33	0.20	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,4-Dinitrotoluene	0.084	U	0.084	0.044	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2,6-Dinitrotoluene	0.084	U	0.084	0.030	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Chloronaphthalene	0.41	U	0.41	0.053	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Chlorophenol	0.41	U	0.41	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Methylnaphthalene	0.41	U	0.41	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Methylphenol	0.41	U	0.41	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Nitroaniline	0.41	U	0.41	0.032	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
2-Nitrophenol	0.41	U	0.41	0.041	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
3 & 4 Methylphenol	0.41	U	0.41	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
3,3'-Dichlorobenzidine	0.17	U	0.17	0.062	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
3-Nitroaniline	0.41	U	0.41	0.098	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4,6-Dinitro-2-methylphenol	0.33	U	0.33	0.17	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Bromophenyl phenyl ether	0.41	U	0.41	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Chloro-3-methylphenol	0.41	U	0.41	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Chloroaniline	0.41	U	0.41	0.073	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Chlorophenyl phenyl ether	0.41	U	0.41	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Methylphenol	0.41	U	0.41	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Nitroaniline	0.41	U	0.41	0.10	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
4-Nitrophenol	0.84	U	0.84	0.067	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Acenaphthene	0.41	U	0.41	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Acenaphthylene	0.41	U	0.41	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Acetophenone	0.41	U	0.41	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Anthracene	0.41	U	0.41	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Atrazine	0.17	U *	0.17	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzaldehyde	0.41	U *	0.41	0.068	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzo[a]anthracene	0.041	U	0.041	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzo[a]pyrene	**0.012**	**J**	0.041	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzo[b]fluoranthene	**0.017**	**J**	0.041	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzo[g,h,i]perylene	**0.016**	**J**	0.41	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Benzo[k]fluoranthene	**0.014**	**J**	0.041	0.0081	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Bis(2-chloroethoxy)methane	0.41	U	0.41	0.076	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Bis(2-chloroethyl)ether	0.041	U	0.041	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Bis(2-ethylhexyl) phthalate	0.41	U	0.41	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Butyl benzyl phthalate	0.41	U	0.41	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Caprolactam	0.41	U *	0.41	0.064	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Carbazole	0.41	U	0.41	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Chrysene	0.41	U	0.41	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Dibenz(a,h)anthracene	0.041	U	0.041	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Dibenzofuran	0.41	U	0.41	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1

Client Sample ID: 18B_0-4

Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17

Matrix: Solid
Percent Solids: 79.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.41	U	0.41	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Dimethyl phthalate	0.41	U	0.41	0.094	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Di-n-butyl phthalate	**0.020**	**J**	0.41	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Di-n-octyl phthalate	0.41	U	0.41	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Fluoranthene	0.41	U	0.41	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Fluorene	0.41	U	0.41	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Hexachlorobenzene	0.041	U	0.041	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Hexachlorobutadiene	0.084	U	0.084	0.0088	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Hexachlorocyclopentadiene	0.41	U	0.41	0.036	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Hexachloroethane	0.041	U	0.041	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Indeno[1,2,3-cd]pyrene	**0.018**	**J**	0.041	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Isophorone	0.17	U	0.17	0.12	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Naphthalene	0.41	U	0.41	0.0071	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Nitrobenzene	0.041	U	0.041	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
N-Nitrosodi-n-propylamine	0.041	U	0.041	0.030	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
N-Nitrosodiphenylamine	0.41	U	0.41	0.034	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Pentachlorophenol	0.33	U	0.33	0.085	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Phenanthrene	0.41	U	0.41	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Phenol	0.41	U	0.41	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1
Pyrene	**0.013**	**J**	0.41	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*04/08/25 10:09*	*04/08/25 23:15*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*04/08/25 10:09*	*04/08/25 23:15*	*1*
2-Fluorophenol (Surr)	*74*		*31 - 133*	*04/08/25 10:09*	*04/08/25 23:15*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*04/08/25 10:09*	*04/08/25 23:15*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/08/25 10:09*	*04/08/25 23:15*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*04/08/25 10:09*	*04/08/25 23:15*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0084	U	0.0084	0.0014	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
4,4'-DDE	0.0084	U	0.0084	0.00099	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
4,4'-DDT	0.0084	U	0.0084	0.0015	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Aldrin	0.0084	U	0.0084	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
alpha-BHC	0.0025	U	0.0025	0.00085	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
beta-BHC	0.0025	U	0.0025	0.00094	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Chlordane (technical)	0.084	U	0.084	0.020	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
cis-Chlordane	0.0084	U	0.0084	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
delta-BHC	0.0025	U	0.0025	0.00051	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Dieldrin	0.0025	U	0.0025	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endosulfan I	0.0084	U	0.0084	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endosulfan II	0.0084	U	0.0084	0.0022	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endosulfan sulfate	0.0084	U	0.0084	0.0011	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endrin	0.0084	U	0.0084	0.0012	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endrin aldehyde	0.0084	U	0.0084	0.0020	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Endrin ketone	0.0084	U	0.0084	0.0016	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
gamma-BHC (Lindane)	0.0025	U	0.0025	0.00078	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Heptachlor	0.0084	U	0.0084	0.00099	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Heptachlor epoxide	0.0084	U	0.0084	0.0013	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid
Percent Solids: 79.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0084	U	0.0084	0.0019	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1
Toxaphene	0.084	U	0.084	0.030	mg/Kg	☼	04/07/25 17:06	04/08/25 07:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*113*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:30*	*1*
DCB Decachlorobiphenyl	*96*		*17 - 150*	*04/07/25 17:06*	*04/08/25 07:30*	*1*
Tetrachloro-m-xylene	*107*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:30*	*1*
Tetrachloro-m-xylene	*107*		*21 - 150*	*04/07/25 17:06*	*04/08/25 07:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1221	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1232	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1242	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1248	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1254	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1260	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor-1262	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Aroclor 1268	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1
Polychlorinated biphenyls, Total	0.084	U	0.084	0.022	mg/Kg	☼	04/07/25 17:03	04/08/25 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:47*	*1*
DCB Decachlorobiphenyl	*96*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:47*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:47*	*1*
Tetrachloro-m-xylene	*121*		*20 - 150*	*04/07/25 17:03*	*04/08/25 14:47*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoropentanoic acid (PFPeA)	0.32	U	0.32	0.079	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorohexanoic acid (PFHxA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoroheptanoic acid (PFHpA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorononanoic acid (PFNA)	**0.13**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorodecanoic acid (PFDA)	**0.097**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoroundecanoic acid (PFUnA)	**0.42**		0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorododecanoic acid (PFDoA)	**0.069**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorotridecanoic acid (PFTrDA)	**0.50**		0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorotetradecanoic acid (PFTeDA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorobutanesulfonic acid (PFBS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoropentanesulfonic acid (PFPeS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorohexanesulfonic acid (PFHxS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoroheptanesulfonic acid (PFHpS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorooctanesulfonic acid (PFOS)	**0.084**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid
Percent Solids: 79.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorododecanesulfonic acid (PFDoS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorooctanesulfonamide (PFOSA)	**0.050**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.052**	**J**	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	**0.50**	**J**	1.59	0.40	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.59	U	1.59	0.40	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.32	U	0.32	0.079	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.32	U	0.32	0.079	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.63	U	0.63	0.16	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.32	U	0.32	0.079	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.79	U	0.79	0.20	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.96	U	3.96	0.99	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.96	U	3.96	0.99	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluorodecanesulfonic acid (PFDS)	0.16	U	0.16	0.040	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.32	U	0.32	0.079	ug/Kg	☼	04/08/25 13:15	04/10/25 10:25	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C5 PFPeA	*91.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C5 PFHxA	*79.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C4 PFHpA	*101*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C8 PFOA	*73.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C9 PFNA	*86.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C6 PFDA	*82.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*
13C7 PFUnA	*141*		*20 - 150*	*04/08/25 13:15*	*04/10/25 10:25*	*1*

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid
Percent Solids: 79.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	78.3		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C3 PFBS	83.6		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C3 PFHxS	69.8		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C8 PFOS	88.9		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C8 FOSA	95.5		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d3-NMeFOSAA	87.7		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d5-NEtFOSAA	86.0		20 - 150	04/08/25 13:15	04/10/25 10:25	1
M2-4:2 FTS	76.4		20 - 150	04/08/25 13:15	04/10/25 10:25	1
M2-6:2 FTS	74.0		20 - 150	04/08/25 13:15	04/10/25 10:25	1
M2-8:2 FTS	77.8		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C3 HFPO-DA	91.8		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d7-N-MeFOSE-M	48.3		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d9-N-EtFOSE-M	42.4		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d5-NEtPFOSA	71.1		20 - 150	04/08/25 13:15	04/10/25 10:25	1
d3-NMePFOSA	84.2		20 - 150	04/08/25 13:15	04/10/25 10:25	1
13C2-PFDoDA	78.9		20 - 150	04/08/25 13:15	04/10/25 10:25	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7740		22.8	6.3	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Antimony	0.64	J	1.1	0.17	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Arsenic	7.7		1.1	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Barium	51.6		2.3	0.17	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Beryllium	0.61		0.46	0.065	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Cadmium	0.20	J	1.1	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Calcium	2960		114	46.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Chromium	18.5		2.3	1.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Cobalt	7.8		2.3	0.17	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Copper	34.1		2.3	0.42	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Iron	16000		68.5	23.1	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Lead	160		0.69	0.23	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Magnesium	2790		114	11.6	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Manganese	197		4.6	0.46	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Nickel	13.5		2.3	0.54	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Potassium	1220		114	18.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Selenium	0.37	J	1.4	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Silver	0.14	J	0.46	0.10	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Sodium	93.5	J	114	52.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Thallium	0.13	J	0.46	0.047	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Vanadium	29.7		2.3	0.24	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1
Zinc	69.6		9.1	3.5	mg/Kg	☼	04/11/25 07:07	04/11/25 16:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0091	mg/Kg	☼	04/10/25 01:10	04/10/25 05:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	20.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	79.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzo[b]fluoranthene	**0.012**	**J**	0.038	0.0099	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Benzo[k]fluoranthene	**0.012**	**J**	0.038	0.0075	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1
Pyrene	0.38	U	0.38	0.0095	mg/Kg	☼	04/08/25 10:09	04/08/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*24 - 137*	*04/08/25 10:09*	*04/08/25 22:53*	*1*
2-Fluorobiphenyl	*83*		*38 - 128*	*04/08/25 10:09*	*04/08/25 22:53*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*04/08/25 10:09*	*04/08/25 22:53*	*1*
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*	*04/08/25 10:09*	*04/08/25 22:53*	*1*
Phenol-d5 (Surr)	*79*		*35 - 132*	*04/08/25 10:09*	*04/08/25 22:53*	*1*
Terphenyl-d14 (Surr)	*83*		*44 - 147*	*04/08/25 10:09*	*04/08/25 22:53*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 17:18	04/09/25 08:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*17 - 150*	*04/08/25 17:18*	*04/09/25 08:32*	*1*
DCB Decachlorobiphenyl	*114*		*17 - 150*	*04/08/25 17:18*	*04/09/25 08:32*	*1*
Tetrachloro-m-xylene	*114*		*21 - 150*	*04/08/25 17:18*	*04/09/25 08:32*	*1*
Tetrachloro-m-xylene	*109*		*21 - 150*	*04/08/25 17:18*	*04/09/25 08:32*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1221	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1232	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1242	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1248	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1254	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1260	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor-1262	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Aroclor 1268	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*135*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:01*	*1*
DCB Decachlorobiphenyl	*134*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:01*	*1*
Tetrachloro-m-xylene	*131*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:01*	*1*
Tetrachloro-m-xylene	*129*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:01*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorohexanoic acid (PFHxA)	**0.045**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorooctanoic acid (PFOA)	**0.087**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorononanoic acid (PFNA)	**0.14**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorodecanoic acid (PFDA)	**0.11**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoroundecanoic acid (PFUnA)	**0.59**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorododecanoic acid (PFDoA)	**0.092**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorotridecanoic acid (PFTrDA)	**0.55**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.049**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.42	U	1.42	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.42	U	1.42	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.55	U	3.55	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.55	U	3.55	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C5 PFHxA	*87.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C4 PFHpA	*112*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C8 PFOA	*78.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C9 PFNA	*88.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C6 PFDA	*85.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*
13C7 PFUnA	*140*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:14*	*1*

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	81.6		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C3 PFBS	84.5		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C3 PFHxS	69.3		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C8 PFOS	83.4		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C8 FOSA	93.7		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d3-NMeFOSAA	87.5		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d5-NEtFOSAA	90.5		20 - 150	04/08/25 13:15	04/10/25 11:14	1
M2-4:2 FTS	73.3		20 - 150	04/08/25 13:15	04/10/25 11:14	1
M2-6:2 FTS	75.4		20 - 150	04/08/25 13:15	04/10/25 11:14	1
M2-8:2 FTS	70.8		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C3 HFPO-DA	103		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d7-N-MeFOSE-M	68.2		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d9-N-EtFOSE-M	60.7		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d5-NEtPFOSA	69.0		20 - 150	04/08/25 13:15	04/10/25 11:14	1
d3-NMePFOSA	81.0		20 - 150	04/08/25 13:15	04/10/25 11:14	1
13C2-PFDoDA	84.0		20 - 150	04/08/25 13:15	04/10/25 11:14	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8400		21.0	5.8	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Antimony	0.65	J	1.0	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Arsenic	6.0		1.0	0.11	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Barium	61.1		2.1	0.15	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Beryllium	2.1		0.42	0.060	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Cadmium	0.33	J	1.0	0.12	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Calcium	5570		105	42.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Chromium	30.9		2.1	0.95	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Cobalt	9.0		2.1	0.16	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Copper	56.8		2.1	0.39	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Iron	17600		63.0	21.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Lead	125		0.63	0.21	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Magnesium	4520		105	10.7	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Manganese	301		4.2	0.42	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Nickel	27.8		2.1	0.49	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Potassium	1190		105	17.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Selenium	0.26	J	1.3	0.13	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Silver	0.18	J	0.42	0.093	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Sodium	103	J	105	48.0	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Thallium	0.13	J	0.42	0.043	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Vanadium	25.5		2.1	0.22	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1
Zinc	358		8.4	3.2	mg/Kg	☼	04/11/25 07:07	04/11/25 16:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.016	J	0.019	0.0089	mg/Kg	☼	04/10/25 01:10	04/10/25 05:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18C_0-5
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Methylnaphthalene	**0.014**	**J**	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Atrazine	0.15	U *	0.15	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzo[a]anthracene	**0.056**		0.038	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzo[a]pyrene	**0.045**		0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzo[b]fluoranthene	**0.058**		0.038	0.0099	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzo[g,h,i]perylene	**0.031**	**J**	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Benzo[k]fluoranthene	**0.022**	**J**	0.038	0.0075	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Caprolactam	0.38	U *	0.38	0.060	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Chrysene	**0.054**	**J**	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1

Client Sample ID: 18C_0-5

Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Fluoranthene	**0.084**	**J**	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Indeno[1,2,3-cd]pyrene	**0.029**	**J**	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Naphthalene	**0.0084**	**J**	0.38	0.0066	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Phenanthrene	**0.023**	**J**	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1
Pyrene	**0.092**	**J**	0.38	0.0095	mg/Kg	☼	04/08/25 10:09	04/09/25 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*24 - 137*	*04/08/25 10:09*	*04/09/25 04:05*	*1*
2-Fluorobiphenyl	*70*		*38 - 128*	*04/08/25 10:09*	*04/09/25 04:05*	*1*
2-Fluorophenol (Surr)	*62*		*31 - 133*	*04/08/25 10:09*	*04/09/25 04:05*	*1*
Nitrobenzene-d5 (Surr)	*61*		*31 - 120*	*04/08/25 10:09*	*04/09/25 04:05*	*1*
Phenol-d5 (Surr)	*62*		*35 - 132*	*04/08/25 10:09*	*04/09/25 04:05*	*1*
Terphenyl-d14 (Surr)	*76*		*44 - 147*	*04/08/25 10:09*	*04/09/25 04:05*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
beta-BHC	0.0023	U	0.0023	0.00087	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1

Client Sample ID: 18C_0-5

Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 17:18	04/09/25 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*122*		*17 - 150*	*04/08/25 17:18*	*04/09/25 06:46*	*1*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/08/25 17:18*	*04/09/25 06:46*	*1*
Tetrachloro-m-xylene	*121*		*21 - 150*	*04/08/25 17:18*	*04/09/25 06:46*	*1*
Tetrachloro-m-xylene	*117*		*21 - 150*	*04/08/25 17:18*	*04/09/25 06:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1221	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1232	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1242	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1248	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1254	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1260	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor-1262	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Aroclor 1268	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 17:14	04/09/25 10:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*147*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:17*	*1*
DCB Decachlorobiphenyl	*146*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:17*	*1*
Tetrachloro-m-xylene	*141*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:17*	*1*
Tetrachloro-m-xylene	*138*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:17*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorohexanoic acid (PFHxA)	**0.084**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoroheptanoic acid (PFHpA)	**0.085**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorooctanoic acid (PFOA)	**0.40**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorononanoic acid (PFNA)	**1.05**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorodecanoic acid (PFDA)	**0.26**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoroundecanoic acid (PFUnA)	**2.71**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorododecanoic acid (PFDoA)	**0.23**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorotridecanoic acid (PFTrDA)	**2.68**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorotetradecanoic acid (PFTeDA)	**0.072**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorobutanesulfonic acid (PFBS)	**0.040**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1

Client Sample ID: 18C_0-5
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid
Percent Solids: 86.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.17**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.62	U	3.62	0.91	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.62	U	3.62	0.91	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 13:15	04/10/25 11:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C5 PFHxA	*91.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C8 PFOA	*85.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C9 PFNA	*94.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*
13C6 PFDA	*89.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 11:31*	*1*

Client Sample ID: 18C_0-5
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid
Percent Solids: 86.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	151	*	20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C2 PFTeDA	63.3		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C3 PFBS	87.2		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C3 PFHxS	71.3		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C8 PFOS	89.7		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C8 FOSA	97.7		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d3-NMeFOSAA	90.4		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d5-NEtFOSAA	88.9		20 - 150	04/08/25 13:15	04/10/25 11:31	1
M2-4:2 FTS	93.9		20 - 150	04/08/25 13:15	04/10/25 11:31	1
M2-6:2 FTS	102		20 - 150	04/08/25 13:15	04/10/25 11:31	1
M2-8:2 FTS	81.2		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C3 HFPO-DA	101		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d7-N-MeFOSE-M	74.8		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d9-N-EtFOSE-M	64.6		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d5-NEtPFOSA	65.4		20 - 150	04/08/25 13:15	04/10/25 11:31	1
d3-NMePFOSA	82.0		20 - 150	04/08/25 13:15	04/10/25 11:31	1
13C2-PFDoDA	78.7		20 - 150	04/08/25 13:15	04/10/25 11:31	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9080		20.6	5.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Antimony	1.4		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Arsenic	8.5		1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Barium	69.0		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Beryllium	1.5		0.41	0.059	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Cadmium	0.31	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Calcium	3940		103	41.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Chromium	29.2		2.1	0.94	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Cobalt	8.4		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Copper	71.5		2.1	0.38	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Iron	20800		61.8	20.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Lead	271		0.62	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Magnesium	3600		103	10.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Manganese	243		4.1	0.42	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Nickel	27.4		2.1	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Potassium	1220		103	16.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Selenium	0.42	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Silver	0.34	J	0.41	0.092	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Sodium	131		103	47.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Thallium	0.10	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Vanadium	28.4		2.1	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1
Zinc	224		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028		0.019	0.0089	mg/Kg	☼	04/10/25 01:10	04/10/25 05:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.4		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18C_0-5

Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid
Percent Solids: 86.6

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18C_5-10

Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.017	J	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Methylnaphthalene	0.011	J	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Acetophenone	0.039	J	0.38	0.019	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzo[a]pyrene	0.012	J	0.038	0.010	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzo[b]fluoranthene	0.024	J	0.038	0.0098	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzo[g,h,i]perylene	0.013	J	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1

Client Sample ID: 18C_5-10

Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20

Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Carbazole	**0.024**	**J**	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Fluoranthene	**0.027**	**J**	0.38	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Naphthalene	**0.0086**	**J**	0.38	0.0066	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Pentachlorophenol	0.30	U	0.30	0.078	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1
Pyrene	**0.029**	**J**	0.38	0.0094	mg/Kg	☼	04/08/25 10:09	04/09/25 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*04/08/25 10:09*	*04/09/25 04:27*	*1*
2-Fluorobiphenyl	*92*		*38 - 128*	*04/08/25 10:09*	*04/09/25 04:27*	*1*
2-Fluorophenol (Surr)	*82*		*31 - 133*	*04/08/25 10:09*	*04/09/25 04:27*	*1*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*	*04/08/25 10:09*	*04/09/25 04:27*	*1*
Phenol-d5 (Surr)	*82*		*35 - 132*	*04/08/25 10:09*	*04/09/25 04:27*	*1*
Terphenyl-d14 (Surr)	*100*		*44 - 147*	*04/08/25 10:09*	*04/09/25 04:27*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1

Client Sample ID: 18C_5-10
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 17:18	04/09/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*131*		*17 - 150*	*04/08/25 17:18*	*04/09/25 06:58*	*1*
DCB Decachlorobiphenyl	*112*		*17 - 150*	*04/08/25 17:18*	*04/09/25 06:58*	*1*
Tetrachloro-m-xylene	*129*		*21 - 150*	*04/08/25 17:18*	*04/09/25 06:58*	*1*
Tetrachloro-m-xylene	*123*		*21 - 150*	*04/08/25 17:18*	*04/09/25 06:58*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*146*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:34*	*1*
DCB Decachlorobiphenyl	*141*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:34*	*1*
Tetrachloro-m-xylene	*140*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:34*	*1*
Tetrachloro-m-xylene	*134*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:34*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoroheptanoic acid (PFHpA)	**0.037**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorooctanoic acid (PFOA)	**0.088**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorononanoic acid (PFNA)	**0.42**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorodecanoic acid (PFDA)	**0.16**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoroundecanoic acid (PFUnA)	**2.24**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorododecanoic acid (PFDoA)	**0.33**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorotridecanoic acid (PFTrDA)	**2.55**		0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1

Client Sample ID: 18C_5-10
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20
Matrix: Solid
Percent Solids: 87.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.075**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorooctanesulfonic acid (PFOS)	**0.049**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.26**	**J**	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.42	U	1.42	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.42	U	1.42	0.36	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.56	U	3.56	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.56	U	3.56	0.89	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 13:15	04/10/25 11:48	1

Client Sample ID: 18C_5-10

Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20

Matrix: Solid
Percent Solids: 87.0

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91.2		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C5 PFPeA	107		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C5 PFHxA	92.8		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C4 PFHpA	113		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C8 PFOA	82.3		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C9 PFNA	92.0		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C6 PFDA	88.9		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C7 PFUnA	147		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C2 PFTeDA	85.2		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C3 PFBS	96.8		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C3 PFHxS	78.5		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C8 PFOS	93.9		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C8 FOSA	99.3		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d3-NMeFOSAA	94.6		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d5-NEtFOSAA	102		20 - 150	04/08/25 13:15	04/10/25 11:48	1
M2-4:2 FTS	103		20 - 150	04/08/25 13:15	04/10/25 11:48	1
M2-6:2 FTS	94.3		20 - 150	04/08/25 13:15	04/10/25 11:48	1
M2-8:2 FTS	89.8		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C3 HFPO-DA	99.2		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d7-N-MeFOSE-M	57.4		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d9-N-EtFOSE-M	48.9		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d5-NEtPFOSA	75.1		20 - 150	04/08/25 13:15	04/10/25 11:48	1
d3-NMePFOSA	85.0		20 - 150	04/08/25 13:15	04/10/25 11:48	1
13C2-PFDoDA	85.5		20 - 150	04/08/25 13:15	04/10/25 11:48	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8040		21.7	6.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Antimony	1.4		1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Arsenic	8.2		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Barium	53.9		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Beryllium	1.7		0.43	0.062	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Cadmium	0.27	J	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Calcium	2200		108	44.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Chromium	25.8		2.2	0.98	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Cobalt	8.3		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Copper	73.0		2.2	0.40	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Iron	18900		65.1	21.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Lead	168		0.65	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Magnesium	2600		108	11.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Manganese	230		4.3	0.44	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Nickel	30.0		2.2	0.51	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Potassium	1080		108	17.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Selenium	0.42	J	1.4	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Silver	0.32	J	0.43	0.097	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Sodium	88.3	J	108	49.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Thallium	0.089	J	0.43	0.044	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Vanadium	25.0		2.2	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1
Zinc	211		8.7	3.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:08	1

Client Sample ID: 18C_5-10

Lab Sample ID: 460-323525-20

Date Collected: 04/03/25 13:50
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 87.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.046		0.019	0.0088	mg/Kg	☼	04/10/25 01:10	04/10/25 05:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.0		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.0		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18D_0-5

Lab Sample ID: 460-323525-21

Date Collected: 04/03/25 14:00
Matrix: Solid
Date Received: 04/04/25 16:30
Percent Solids: 90.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Methylnaphthalene	0.011	J	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1

Client Sample ID: 18D_0-5

Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21

Matrix: Solid
Percent Solids: 90.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Benzo[g,h,i]perylene	0.37	U *	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1
Pyrene	**0.0097**	**J**	0.37	0.0091	mg/Kg	☼	04/08/25 10:12	04/09/25 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*04/08/25 10:12*	*04/09/25 04:23*	*1*
2-Fluorobiphenyl	*71*		*38 - 128*	*04/08/25 10:12*	*04/09/25 04:23*	*1*
2-Fluorophenol (Surr)	*73*		*31 - 133*	*04/08/25 10:12*	*04/09/25 04:23*	*1*
Nitrobenzene-d5 (Surr)	*69*		*31 - 120*	*04/08/25 10:12*	*04/09/25 04:23*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/08/25 10:12*	*04/09/25 04:23*	*1*
Terphenyl-d14 (Surr)	*70*		*44 - 147*	*04/08/25 10:12*	*04/09/25 04:23*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1

Client Sample ID: 18D_0-5
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/08/25 17:18	04/09/25 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*17 - 150*	*04/08/25 17:18*	*04/09/25 07:10*	*1*
DCB Decachlorobiphenyl	*103*		*17 - 150*	*04/08/25 17:18*	*04/09/25 07:10*	*1*
Tetrachloro-m-xylene	*118*		*21 - 150*	*04/08/25 17:18*	*04/09/25 07:10*	*1*
Tetrachloro-m-xylene	*114*		*21 - 150*	*04/08/25 17:18*	*04/09/25 07:10*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*133*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:51*	*1*
DCB Decachlorobiphenyl	*130*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:51*	*1*
Tetrachloro-m-xylene	*126*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:51*	*1*
Tetrachloro-m-xylene	*121*		*20 - 150*	*04/08/25 17:14*	*04/09/25 10:51*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoropentanoic acid (PFPeA)	**0.11**	**J**	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorohexanoic acid (PFHxA)	**0.082**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoroheptanoic acid (PFHpA)	**0.092**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorooctanoic acid (PFOA)	**0.17**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorononanoic acid (PFNA)	**0.88**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorodecanoic acid (PFDA)	**0.37**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoroundecanoic acid (PFUnA)	**3.44**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1

Client Sample ID: 18D_0-5
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21
Matrix: Solid
Percent Solids: 90.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.26**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorotridecanoic acid (PFTrDA)	**2.80**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorotetradecanoic acid (PFTeDA)	**0.077**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorooctanesulfonic acid (PFOS)	**0.084**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.16**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1

Client Sample ID: 18D_0-5
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21
Matrix: Solid
Percent Solids: 90.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C5 PFHxA	*93.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C4 PFHpA	*113*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C8 PFOA	*85.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C9 PFNA	*90.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C6 PFDA	*88.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C7 PFUnA	*145*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C2 PFTeDA	*81.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C3 PFBS	*90.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C3 PFHxS	*75.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C8 PFOS	*87.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C8 FOSA	*95.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d3-NMeFOSAA	*94.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d5-NEtFOSAA	*96.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
M2-4:2 FTS	*84.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
M2-6:2 FTS	*93.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
M2-8:2 FTS	*80.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C3 HFPO-DA	*99.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d7-N-MeFOSE-M	*80.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d9-N-EtFOSE-M	*75.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d5-NEtPFOSA	*73.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
d3-NMePFOSA	*88.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*
13C2-PFDoDA	*82.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:15*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9010**		20.6	5.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Antimony	**1.0**		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Arsenic	**6.3**		1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Barium	**83.5**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Beryllium	**1.7**		0.41	0.059	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Cadmium	**0.32**	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Calcium	**2850**		103	41.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Chromium	**25.6**		2.1	0.93	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Cobalt	**7.8**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Copper	**62.7**		2.1	0.38	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Iron	**20100**		61.7	20.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Lead	**214**		0.62	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Magnesium	**2510**		103	10.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Manganese	**184**		4.1	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Nickel	**26.7**		2.1	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Potassium	**1250**		103	16.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Selenium	**0.31**	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Silver	**0.23**	J	0.41	0.092	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Sodium	**153**		103	47.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1

Client Sample ID: 18D_0-5

Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21

Matrix: Solid
Percent Solids: 90.0

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.11	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Vanadium	26.2		2.1	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1
Zinc	230		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.017	0.0078	mg/Kg	☼	04/10/25 01:10	04/10/25 05:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.0		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	90.0		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 18D_5-10

Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22

Matrix: Solid
Percent Solids: 88.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
4-Nitrophenol	0.75	U	0.75	0.061	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid
Percent Solids: 88.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzo[b]fluoranthene	**0.011**	**J**	0.037	0.0096	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzo[g,h,i]perylene	0.37	U *	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1
Pyrene	**0.0096**	**J**	0.37	0.0093	mg/Kg	☼	04/08/25 10:12	04/09/25 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*	*04/08/25 10:12*	*04/09/25 05:09*	*1*
2-Fluorobiphenyl	*77*		*38 - 128*	*04/08/25 10:12*	*04/09/25 05:09*	*1*
2-Fluorophenol (Surr)	*79*		*31 - 133*	*04/08/25 10:12*	*04/09/25 05:09*	*1*
Nitrobenzene-d5 (Surr)	*75*		*31 - 120*	*04/08/25 10:12*	*04/09/25 05:09*	*1*
Phenol-d5 (Surr)	*81*		*35 - 132*	*04/08/25 10:12*	*04/09/25 05:09*	*1*
Terphenyl-d14 (Surr)	*72*		*44 - 147*	*04/08/25 10:12*	*04/09/25 05:09*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1

Client Sample ID: 18D_5-10

Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22

Matrix: Solid
Percent Solids: 88.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endosulfan I	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/08/25 17:18	04/09/25 07:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*130*		*17 - 150*	*04/08/25 17:18*	*04/09/25 07:23*	*1*
DCB Decachlorobiphenyl	*111*		*17 - 150*	*04/08/25 17:18*	*04/09/25 07:23*	*1*
Tetrachloro-m-xylene	*125*		*21 - 150*	*04/08/25 17:18*	*04/09/25 07:23*	*1*
Tetrachloro-m-xylene	*122*		*21 - 150*	*04/08/25 17:18*	*04/09/25 07:23*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 17:14	04/09/25 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*144*		*20 - 150*	*04/08/25 17:14*	*04/09/25 11:08*	*1*
DCB Decachlorobiphenyl	*141*		*20 - 150*	*04/08/25 17:14*	*04/09/25 11:08*	*1*
Tetrachloro-m-xylene	*137*		*20 - 150*	*04/08/25 17:14*	*04/09/25 11:08*	*1*
Tetrachloro-m-xylene	*133*		*20 - 150*	*04/08/25 17:14*	*04/09/25 11:08*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid
Percent Solids: 88.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	**0.049**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoroheptanoic acid (PFHpA)	**0.046**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorooctanoic acid (PFOA)	**0.092**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorononanoic acid (PFNA)	**0.30**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorodecanoic acid (PFDA)	**0.18**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoroundecanoic acid (PFUnA)	**1.83**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorododecanoic acid (PFDoA)	**0.18**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorotridecanoic acid (PFTrDA)	**1.67**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorotetradecanoic acid (PFTeDA)	**0.052**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorooctanesulfonic acid (PFOS)	**0.057**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid
Percent Solids: 88.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 17:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*95.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C5 PFPeA	*98.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C5 PFHxA	*91.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C4 PFHpA	*112*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C8 PFOA	*85.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C9 PFNA	*94.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C6 PFDA	*96.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C7 PFUnA	*160*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C2 PFTeDA	*90.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C3 PFBS	*97.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C3 PFHxS	*79.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C8 PFOS	*89.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C8 FOSA	*99.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d3-NMeFOSAA	*96.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d5-NEtFOSAA	*100*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
M2-4:2 FTS	*97.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
M2-6:2 FTS	*108*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
M2-8:2 FTS	*88.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C3 HFPO-DA	*99.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d7-N-MeFOSE-M	*82.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d9-N-EtFOSE-M	*74.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d5-NEtPFOSA	*75.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
d3-NMePFOSA	*90.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*
13C2-PFDoDA	*90.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 17:31*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8490**		20.5	5.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Antimony	**1.3**		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Arsenic	**7.2**		1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Barium	**76.4**		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Beryllium	**1.2**		0.41	0.058	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Cadmium	**0.35**	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Calcium	**2880**		102	41.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Chromium	**25.6**		2.0	0.93	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Cobalt	**8.5**		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Copper	**70.9**		2.0	0.38	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Iron	**19900**		61.5	20.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Lead	**271**		0.61	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid
Percent Solids: 88.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2640		102	10.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Manganese	175		4.1	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Nickel	31.3		2.0	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Potassium	1210		102	16.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Selenium	0.32	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Silver	0.25	J	0.41	0.091	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Sodium	124		102	46.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Thallium	0.10	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Vanadium	29.0		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1
Zinc	246		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.018	0.0083	mg/Kg	☼	04/10/25 01:10	04/10/25 05:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.7		1.0	1.0	%			04/08/25 08:30	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-323220-A-2-B MS	Matrix Spike	107	95	84	95	86	81
460-323220-A-2-C MSD	Matrix Spike Duplicate	132	121	82	97	83	85
460-323525-1	13A_0-5	73	83	77	74	75	89
460-323525-1 MS	13A_0-5	87	98	88	87	86	100
460-323525-1 MSD	13A_0-5	89	100	92	90	89	101
460-323525-2	13A_5-10	79	91	85	82	83	97
460-323525-3	13B_0-5	73	86	81	78	76	91
460-323525-4	13B_5-10	84	95	92	87	88	101
460-323525-5	13C_0-4	77	85	82	78	81	94
460-323525-6	13C_4-8	79	88	82	80	81	95
460-323525-7	15A_0-4	64	73	67	65	65	79
460-323525-8	15A_4-8	79	92	84	83	82	94
460-323525-9	15B_0-4	64	74	70	67	67	80
460-323525-10	15B_4-8	88	101	94	90	92	105
460-323525-11	17A_0-4	57	62	59	57	58	68
460-323525-12	17A_4-8	76	87	84	79	81	93
460-323525-13	17B_0-4	69	78	74	71	71	84
460-323525-14	17B_4-8	76	90	86	82	84	95
460-323525-15	18A_0-5	71	82	75	73	74	86
460-323525-16	18A_5-10	84	96	88	86	86	98
460-323525-17	18B_0-4	71	78	74	71	73	86
460-323525-18	18B_4-8	70	83	83	78	79	83
460-323525-19	18C_0-5	62	70	62	61	62	76
460-323525-20	18C_5-10	82	92	82	79	82	100
460-323525-21	18D_0-5	71	71	73	69	73	70
460-323525-22	18D_5-10	84	77	79	75	81	72
LCS 460-1030379/2-A	Lab Control Sample	84	94	91	91	88	91
LCS 460-1030380/2-A	Lab Control Sample	100	96	95	96	94	92
LCSD 460-1030379/3-A	Lab Control Sample Dup	86	93	89	88	87	91
LCSD 460-1030380/3-A	Lab Control Sample Dup	100	95	96	97	93	93
MB 460-1030379/1-A	Method Blank	89	98	100	94	96	103
MB 460-1030380/1-A	Method Blank	85	93	93	92	90	90

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid | **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-323525-1	13A_0-5	109	97	99	108
460-323525-2	13A_5-10	110	102	100	109
460-323525-3	13B_0-5	81	78	73	79

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-323525-4	13B_5-10	112	106	100	108
460-323525-5	13C_0-4	111	104	98	108
460-323525-6	13C_4-8	113	105	102	110
460-323525-7	15A_0-4	113	106	103	111
460-323525-8	15A_4-8	115	113	106	113
460-323525-9	15B_0-4	117	113	106	114
460-323525-10	15B_4-8	97	108	109	102
460-323525-11	17A_0-4	107	124	121	125
460-323525-12	17A_4-8	89	104	101	103
460-323525-13	17B_0-4	101	118	113	116
460-323525-14	17B_4-8	94	107	105	105
460-323525-15	18A_0-5	88	104	99	102
460-323525-16	18A_5-10	97	115	108	112
460-323525-17	18B_0-4	96	113	107	107
460-323525-18	18B_4-8	114	109	109	114
460-323525-18 MS	18B_4-8	113	110	103	107
460-323525-18 MSD	18B_4-8	101	101	94	99
460-323525-19	18C_0-5	106	122	117	121
460-323525-20	18C_5-10	112	131	123	129
460-323525-21	18D_0-5	103	121	114	118
460-323525-22	18D_5-10	111	130	122	125
460-323654-B-21-D MS	Matrix Spike	87	83	96	99
460-323654-B-21-E MSD	Matrix Spike Duplicate	81	77	86	90
LCS 460-1030240/2-A	Lab Control Sample	71	65	87	92
LCS 460-1030444/2-A	Lab Control Sample	91	78	93	90
LCSD 460-1030240/3-A	Lab Control Sample Dup	68	63	85	88
LCSD 460-1030444/3-A	Lab Control Sample Dup	94	86	94	92
MB 460-1030240/1-A	Method Blank	76	73	95	100
MB 460-1030444/1-A	Method Blank	96	86	97	98

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-323525-1	13A_0-5	88	72	114	88
460-323525-2	13A_5-10	98	81	127	105
460-323525-3	13B_0-5	105	86	132	109
460-323525-4	13B_5-10	86	73	113	91
460-323525-5	13C_0-4	93	77	117	94
460-323525-6	13C_4-8	95	80	121	98
460-323525-7	15A_0-4	90	77	120	97
460-323525-8	15A_4-8	98	82	123	100
460-323525-9	15B_0-4	98	81	125	96
460-323525-10	15B_4-8	90	76	119	96
460-323525-11	17A_0-4	98	80	124	99

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-323525-12	17A_4-8	87	73	118	93
460-323525-13	17B_0-4	96	79	124	96
460-323525-14	17B_4-8	95	80	122	99
460-323525-15	18A_0-5	93	78	118	100
460-323525-16	18A_5-10	101	84	129	106
460-323525-17	18B_0-4	96	80	121	102
460-323525-18	18B_4-8	134	135	129	131
460-323525-18 MS	18B_4-8	155 *	158 *	151 *	153 *
460-323525-18 MSD	18B_4-8	147	145	142	138
460-323525-19	18C_0-5	146	147	138	141
460-323525-20	18C_5-10	141	146	134	140
460-323525-21	18D_0-5	130	133	121	126
460-323525-22	18D_5-10	141	144	133	137
460-323533-A-4-A MS	Matrix Spike	99	84	133	111
460-323533-A-4-B MSD	Matrix Spike Duplicate	100	86	133	110
LCS 460-1030238/2-A	Lab Control Sample	90	74	119	100
LCS 460-1030441/2-A	Lab Control Sample	126	122	130	116
LCSD 460-1030238/3-A	Lab Control Sample Dup	88	77	119	102
LCSD 460-1030441/3-A	Lab Control Sample Dup	124	120	125	112
MB 460-1030238/1-A	Method Blank	93	79	117	100
MB 460-1030441/1-A	Method Blank	127	121	123	115

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-323525-1	13A_0-5	95.1	104	89.4	106	84.6	93.3	89.4	145
460-323525-2	13A_5-10	92.4	106	91.9	112	80.7	89.6	86.9	140
460-323525-3	13B_0-5	94.2	110	93.9	115	85.3	96.9	95.0	157 *
460-323525-4	13B_5-10	89.5	102	85.1	106	79.5	87.5	86.7	142
460-323525-4 DU	13B_5-10	92.9	103	88.0	109	83.6	94.2	93.5	153 *
460-323525-5	13C_0-4	93.2	104	88.7	110	85.2	93.1	90.9	147
460-323525-6	13C_4-8	94.6	104	90.7	110	86.2	91.5	91.7	154 *
460-323525-7	15A_0-4	93.0	103	89.8	108	80.2	89.0	86.6	147
460-323525-8	15A_4-8	90.4	105	90.6	111	80.0	89.5	92.1	153 *
460-323525-9	15B_0-4	88.2	102	92.9	112	79.7	91.1	84.1	139
460-323525-10	15B_4-8	92.4	102	90.0	108	80.2	90.7	86.1	145
460-323525-11	17A_0-4	90.6	106	90.0	111	82.6	89.8	84.8	139
460-323525-12	17A_4-8	89.2	101	89.8	105	86.1	92.6	87.4	153 *
460-323525-13	17B_0-4	93.2	104	90.0	111	86.0	92.7	87.2	146
460-323525-14	17B_4-8	94.1	108	95.6	114	84.7	90.9	91.7	159 *
460-323525-15	18A_0-5	86.1	97.8	83.6	103	75.9	88.3	84.2	136
460-323525-16	18A_5-10	88.4	102	89.6	109	79.1	89.9	84.8	146
460-323525-17	18B_0-4	79.5	91.9	79.9	101	73.0	86.1	82.9	141
460-323525-18	18B_4-8	87.2	102	87.9	112	78.5	88.0	85.3	140
460-323525-19	18C_0-5	93.1	105	91.2	110	85.5	94.7	89.2	151 *
460-323525-20	18C_5-10	91.2	107	92.8	113	82.3	92.0	88.9	147
460-323525-21	18D_0-5	93.8	103	93.4	113	85.9	90.3	88.8	145
460-323525-22	18D_5-10	95.5	98.6	91.9	112	85.5	94.0	96.1	160 *
460-323525-22 DU	18D_5-10	96.6	107	98.5	116	92.3	94.0	92.8	164 *
LCS 240-651333/3-A	Lab Control Sample	94.7	107	93.1	114	85.5	93.7	89.0	146
LCS 240-651369/3-A	Lab Control Sample	69.2	71.3	64.0	77.4	57.1	61.5	58.5	98.3
LLCS 240-651333/2-A	Lab Control Sample	94.1	106	90.6	114	86.2	91.8	92.6	154 *
LLCS 240-651369/2-A	Lab Control Sample	77.4	90.1	81.1	102	69.4	74.2	73.2	118
MB 240-651333/1-A	Method Blank	93.5	105	92.2	113	83.1	94.0	89.1	148
MB 240-651369/1-A	Method Blank	90.2	105	95.1	117	84.8	88.9	89.4	150

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-323525-1	13A_0-5	83.8	93.1	77.9	92.2	95.5	95.5	95.4	99.8
460-323525-2	13A_5-10	71.9	94.1	77.2	90.1	92.0	95.1	92.0	84.5
460-323525-3	13B_0-5	79.3	97.9	79.3	91.4	98.0	97.3	101	95.5
460-323525-4	13B_5-10	72.3	87.9	70.9	85.2	91.5	90.2	91.0	89.2
460-323525-4 DU	13B_5-10	93.7	92.8	76.2	95.3	93.6	99.9	103	93.9
460-323525-5	13C_0-4	81.2	93.6	77.0	91.1	95.2	94.4	93.1	85.4
460-323525-6	13C_4-8	83.9	95.4	77.3	93.6	96.0	96.5	96.2	97.2
460-323525-7	15A_0-4	75.9	91.8	75.1	87.0	92.2	91.2	94.7	78.2
460-323525-8	15A_4-8	87.5	89.9	73.7	89.3	95.6	96.4	97.7	80.3
460-323525-9	15B_0-4	82.8	91.8	73.3	87.7	91.7	89.5	85.8	76.7
460-323525-10	15B_4-8	79.0	87.5	73.3	84.2	94.0	93.5	95.1	73.6
460-323525-11	17A_0-4	72.1	89.7	74.0	87.0	92.6	88.7	88.0	75.3
460-323525-12	17A_4-8	89.1	90.9	75.8	91.1	92.9	92.6	92.9	76.2
460-323525-13	17B_0-4	80.4	92.8	74.7	87.8	92.6	94.1	93.2	81.4
460-323525-14	17B_4-8	58.8	90.8	73.2	88.1	98.4	98.1	105	91.4
460-323525-15	18A_0-5	82.4	89.9	72.7	86.0	122	92.1	93.9	101

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-323525-16	18A_5-10	84.8	92.2	72.7	88.0	94.5	91.6	93.1	83.6
460-323525-17	18B_0-4	78.3	83.6	69.8	88.9	95.5	87.7	86.0	76.4
460-323525-18	18B_4-8	81.6	84.5	69.3	83.4	93.7	87.5	90.5	73.3
460-323525-19	18C_0-5	63.3	87.2	71.3	89.7	97.7	90.4	88.9	93.9
460-323525-20	18C_5-10	85.2	96.8	78.5	93.9	99.3	94.6	102	103
460-323525-21	18D_0-5	81.0	90.2	75.5	87.1	95.3	94.8	96.7	84.9
460-323525-22	18D_5-10	90.7	97.3	79.5	89.9	99.1	96.2	100	97.8
460-323525-22 DU	18D_5-10	89.4	96.4	78.1	93.4	103	103	105	88.6
LCS 240-651333/3-A	Lab Control Sample	71.5	98.1	80.3	93.9	94.8	93.7	92.0	87.2
LCS 240-651369/3-A	Lab Control Sample	56.2	64.1	51.3	59.0	61.9	62.9	61.8	57.2
LLCS 240-651333/2-A	Lab Control Sample	87.3	97.9	78.9	96.2	98.0	98.6	99.1	80.3
LLCS 240-651369/2-A	Lab Control Sample	62.5	77.3	64.3	74.0	76.9	75.9	73.4	71.8
MB 240-651333/1-A	Method Blank	83.6	98.2	79.8	95.9	95.1	92.7	95.2	84.3
MB 240-651369/1-A	Method Blank	86.4	92.9	76.5	92.7	94.6	98.5	101	86.4

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-323525-1	13A_0-5	118	85.1	95.4	68.4	57.5	69.1	82.5	81.2
460-323525-2	13A_5-10	86.2	77.1	101	53.3	42.1	65.9	81.0	79.0
460-323525-3	13B_0-5	122	93.1	106	77.6	67.3	71.4	84.9	88.2
460-323525-4	13B_5-10	106	78.8	98.9	59.6	54.9	71.3	82.5	82.4
460-323525-4 DU	13B_5-10	105	87.5	98.7	69.7	62.2	77.3	88.4	88.7
460-323525-5	13C_0-4	96.2	81.6	97.0	66.7	57.8	71.8	83.7	82.8
460-323525-6	13C_4-8	120	87.3	100	68.2	58.3	72.2	82.9	86.8
460-323525-7	15A_0-4	82.9	77.7	98.0	53.0	46.0	66.4	80.4	83.6
460-323525-8	15A_4-8	83.4	79.6	105	73.0	64.8	76.1	87.2	92.6
460-323525-9	15B_0-4	77.1	68.7	104	79.5	71.7	70.7	82.4	80.9
460-323525-10	15B_4-8	77.1	73.4	98.3	70.5	64.0	72.7	86.9	81.8
460-323525-11	17A_0-4	72.5	66.8	104	55.3	50.2	66.6	80.5	78.9
460-323525-12	17A_4-8	75.1	73.4	98.9	70.9	62.6	69.8	82.2	86.0
460-323525-13	17B_0-4	83.1	71.9	104	56.5	47.4	72.8	85.4	86.5
460-323525-14	17B_4-8	111	78.8	106	77.7	68.0	73.6	87.6	87.9
460-323525-15	18A_0-5	86.0	84.0	93.9	54.8	55.8	69.9	80.9	82.2
460-323525-16	18A_5-10	79.3	78.9	99.8	61.8	52.9	71.7	83.6	84.9
460-323525-17	18B_0-4	74.0	77.8	91.8	48.3	42.4	71.1	84.2	78.9
460-323525-18	18B_4-8	75.4	70.8	103	68.2	60.7	69.0	81.0	84.0
460-323525-19	18C_0-5	102	81.2	101	74.8	64.6	65.4	82.0	78.7
460-323525-20	18C_5-10	94.3	89.8	99.2	57.4	48.9	75.1	85.0	85.5
460-323525-21	18D_0-5	93.9	80.8	99.8	80.4	75.0	73.5	88.0	82.4
460-323525-22	18D_5-10	108	88.6	99.8	82.1	74.0	75.7	90.0	90.3
460-323525-22 DU	18D_5-10	99.6	85.6	108	81.4	72.4	79.5	95.5	92.3
LCS 240-651333/3-A	Lab Control Sample	85.7	82.9	101	60.8	48.4	67.1	83.2	83.4
LCS 240-651369/3-A	Lab Control Sample	59.8	52.2	70.6	47.0	45.9	48.9	60.2	59.0
LLCS 240-651333/2-A	Lab Control Sample	83.4	84.6	107	76.0	68.4	71.6	88.1	84.7
LLCS 240-651369/2-A	Lab Control Sample	72.9	68.7	89.7	50.3	46.7	58.5	73.9	68.3
MB 240-651333/1-A	Method Blank	87.4	80.4	101	75.4	66.5	65.5	80.9	83.5
MB 240-651369/1-A	Method Blank	84.6	81.9	100	66.4	61.4	74.4	90.3	88.0

Surrogate Legend

PFBA = 13C4 PFBA

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1030379/1-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/08/25 10:09	04/08/25 21:01	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030379/1-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:09	04/08/25 21:01	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/08/25 10:09	04/08/25 21:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*	*04/08/25 10:09*	*04/08/25 21:01*	*1*
2-Fluorobiphenyl	*98*		*38 - 128*	*04/08/25 10:09*	*04/08/25 21:01*	*1*
2-Fluorophenol (Surr)	*100*		*31 - 133*	*04/08/25 10:09*	*04/08/25 21:01*	*1*
Nitrobenzene-d5 (Surr)	*94*		*31 - 120*	*04/08/25 10:09*	*04/08/25 21:01*	*1*
Phenol-d5 (Surr)	*96*		*35 - 132*	*04/08/25 10:09*	*04/08/25 21:01*	*1*
Terphenyl-d14 (Surr)	*103*		*44 - 147*	*04/08/25 10:09*	*04/08/25 21:01*	*1*

Lab Sample ID: LCS 460-1030379/2-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.53		mg/Kg		106	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.61		mg/Kg		108	60 - 120
1,4-Dioxane	3.33	3.28		mg/Kg		98	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.36		mg/Kg		101	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.35		mg/Kg		101	62 - 120
2,4,5-Trichlorophenol	3.33	3.50		mg/Kg		105	64 - 120
2,4,6-Trichlorophenol	3.33	3.58		mg/Kg		108	65 - 120
2,4-Dichlorophenol	3.33	3.53		mg/Kg		106	66 - 120
2,4-Dimethylphenol	3.33	3.54		mg/Kg		106	46 - 120
2,4-Dinitrophenol	6.67	5.87		mg/Kg		88	41 - 129
2,4-Dinitrotoluene	3.33	3.37		mg/Kg		101	65 - 124
2,6-Dinitrotoluene	3.33	3.46		mg/Kg		104	67 - 121
2-Chloronaphthalene	3.33	3.49		mg/Kg		105	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030379/2-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	3.33	3.39		mg/Kg		102	63 - 120
2-Methylnaphthalene	3.33	3.37		mg/Kg		101	64 - 120
2-Methylphenol	3.33	3.37		mg/Kg		101	63 - 120
2-Nitroaniline	3.33	3.20		mg/Kg		96	48 - 120
2-Nitrophenol	3.33	3.48		mg/Kg		104	64 - 120
3 & 4 Methylphenol	3.33	3.26		mg/Kg		98	61 - 120
3,3'-Dichlorobenzidine	3.33	1.66		mg/Kg		50	10 - 120
3-Nitroaniline	3.33	2.15		mg/Kg		65	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.20		mg/Kg		108	58 - 136
4-Bromophenyl phenyl ether	3.33	3.60		mg/Kg		108	60 - 120
4-Chloro-3-methylphenol	3.33	3.31		mg/Kg		99	66 - 120
4-Chloroaniline	3.33	1.47		mg/Kg		44	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.41		mg/Kg		102	62 - 120
4-Methylphenol	3.33	3.26		mg/Kg		98	61 - 120
4-Nitroaniline	3.33	2.87		mg/Kg		86	51 - 120
4-Nitrophenol	6.67	6.04		mg/Kg		91	42 - 132
Acenaphthene	3.33	3.44		mg/Kg		103	65 - 120
Acenaphthylene	3.33	3.45		mg/Kg		104	64 - 120
Acetophenone	3.33	3.00		mg/Kg		90	61 - 120
Anthracene	3.33	3.56		mg/Kg		107	67 - 120
Atrazine	1.33	2.75	*	mg/Kg		206	32 - 150
Benzaldehyde	1.33	2.81	*	mg/Kg		210	28 - 150
Benzo[a]anthracene	3.33	3.46		mg/Kg		104	66 - 120
Benzo[a]pyrene	3.33	3.66		mg/Kg		110	73 - 123
Benzo[b]fluoranthene	3.33	3.61		mg/Kg		108	70 - 125
Benzo[g,h,i]perylene	3.33	3.89		mg/Kg		117	66 - 120
Benzo[k]fluoranthene	3.33	3.60		mg/Kg		108	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.43		mg/Kg		103	62 - 120
Bis(2-chloroethyl)ether	3.33	3.48		mg/Kg		105	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.59		mg/Kg		108	64 - 125
Butyl benzyl phthalate	3.33	3.68		mg/Kg		110	62 - 127
Caprolactam	1.33	2.32	*	mg/Kg		174	36 - 150
Carbazole	3.33	3.44		mg/Kg		103	64 - 120
Chrysene	3.33	3.54		mg/Kg		106	67 - 120
Dibenz(a,h)anthracene	3.33	3.81		mg/Kg		114	66 - 128
Dibenzofuran	3.33	3.40		mg/Kg		102	61 - 120
Diethyl phthalate	3.33	3.28		mg/Kg		98	63 - 120
Dimethyl phthalate	3.33	3.37		mg/Kg		101	65 - 120
Di-n-butyl phthalate	3.33	3.53		mg/Kg		106	66 - 120
Di-n-octyl phthalate	3.33	3.58		mg/Kg		108	61 - 123
Fluoranthene	3.33	3.38		mg/Kg		102	61 - 120
Fluorene	3.33	3.38		mg/Kg		101	64 - 120
Hexachlorobenzene	3.33	3.69		mg/Kg		111	66 - 120
Hexachlorobutadiene	3.33	3.49		mg/Kg		105	62 - 120
Hexachlorocyclopentadiene	3.33	3.56		mg/Kg		107	13 - 120
Hexachloroethane	3.33	3.47		mg/Kg		104	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.82		mg/Kg		114	71 - 137
Isophorone	3.33	3.36		mg/Kg		101	61 - 120
Naphthalene	3.33	3.45		mg/Kg		103	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030379/2-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030379

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrobenzene			3.33	3.34		mg/Kg		100	63 - 120		
N-Nitrosodi-n-propylamine			3.33	3.43		mg/Kg		103	56 - 120		
N-Nitrosodiphenylamine			3.33	3.59		mg/Kg		108	63 - 120		
Pentachlorophenol			6.67	7.15		mg/Kg		107	61 - 126		
Phenanthrene			3.33	3.53		mg/Kg		106	66 - 120		
Phenol			3.33	3.24		mg/Kg		97	63 - 120		
Pyrene			3.33	3.71		mg/Kg		111	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*
2-Fluorobiphenyl	*94*		*38 - 128*
2-Fluorophenol (Surr)	*91*		*31 - 133*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*
Phenol-d5 (Surr)	*88*		*35 - 132*
Terphenyl-d14 (Surr)	*91*		*44 - 147*

Lab Sample ID: LCSD 460-1030379/3-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030379

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.50		mg/Kg		105	64 - 120	1	30
1,2,4,5-Tetrachlorobenzene			3.33	3.64		mg/Kg		109	60 - 120	1	30
1,4-Dioxane			3.33	3.14		mg/Kg		94	27 - 120	4	30
2,2'-oxybis[1-chloropropane]			3.33	3.32		mg/Kg		100	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.38		mg/Kg		101	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	3.61		mg/Kg		108	64 - 120	3	30
2,4,6-Trichlorophenol			3.33	3.67		mg/Kg		110	65 - 120	2	30
2,4-Dichlorophenol			3.33	3.54		mg/Kg		106	66 - 120	0	30
2,4-Dimethylphenol			3.33	3.45		mg/Kg		104	46 - 120	3	30
2,4-Dinitrophenol			6.67	6.22		mg/Kg		93	41 - 129	6	30
2,4-Dinitrotoluene			3.33	3.36		mg/Kg		101	65 - 124	0	30
2,6-Dinitrotoluene			3.33	3.51		mg/Kg		105	67 - 121	1	30
2-Chloronaphthalene			3.33	3.58		mg/Kg		107	64 - 120	2	30
2-Chlorophenol			3.33	3.38		mg/Kg		101	63 - 120	0	30
2-Methylnaphthalene			3.33	3.33		mg/Kg		100	64 - 120	1	30
2-Methylphenol			3.33	3.29		mg/Kg		99	63 - 120	2	30
2-Nitroaniline			3.33	3.09		mg/Kg		93	48 - 120	3	30
2-Nitrophenol			3.33	3.46		mg/Kg		104	64 - 120	1	30
3 & 4 Methylphenol			3.33	3.26		mg/Kg		98	61 - 120	0	30
3,3'-Dichlorobenzidine			3.33	1.61		mg/Kg		48	10 - 120	3	30
3-Nitroaniline			3.33	2.20		mg/Kg		66	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	7.25		mg/Kg		109	58 - 136	1	30
4-Bromophenyl phenyl ether			3.33	3.52		mg/Kg		106	60 - 120	2	30
4-Chloro-3-methylphenol			3.33	3.32		mg/Kg		100	66 - 120	0	30
4-Chloroaniline			3.33	1.34		mg/Kg		40	10 - 120	10	30
4-Chlorophenyl phenyl ether			3.33	3.45		mg/Kg		103	62 - 120	1	30
4-Methylphenol			3.33	3.26		mg/Kg		98	61 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030379/3-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030379

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.91		mg/Kg		87	51 - 120	1	30
4-Nitrophenol			6.67	6.36		mg/Kg		95	42 - 132	5	30
Acenaphthene			3.33	3.46		mg/Kg		104	65 - 120	0	30
Acenaphthylene			3.33	3.50		mg/Kg		105	64 - 120	1	30
Acetophenone			3.33	3.03		mg/Kg		91	61 - 120	1	30
Anthracene			3.33	3.50		mg/Kg		105	67 - 120	2	30
Atrazine			1.33	2.71	*	mg/Kg		203	32 - 150	1	30
Benzaldehyde			1.33	2.73	*	mg/Kg		205	28 - 150	3	30
Benzo[a]anthracene			3.33	3.49		mg/Kg		105	66 - 120	1	30
Benzo[a]pyrene			3.33	3.68		mg/Kg		110	73 - 123	1	30
Benzo[b]fluoranthene			3.33	3.72		mg/Kg		112	70 - 125	3	30
Benzo[g,h,i]perylene			3.33	3.96		mg/Kg		119	66 - 120	2	30
Benzo[k]fluoranthene			3.33	3.51		mg/Kg		105	67 - 122	3	30
Bis(2-chloroethoxy)methane			3.33	3.37		mg/Kg		101	62 - 120	2	30
Bis(2-chloroethyl)ether			3.33	3.40		mg/Kg		102	60 - 120	2	30
Bis(2-ethylhexyl) phthalate			3.33	3.63		mg/Kg		109	64 - 125	1	30
Butyl benzyl phthalate			3.33	3.66		mg/Kg		110	62 - 127	0	30
Caprolactam			1.33	2.27	*	mg/Kg		170	36 - 150	2	30
Carbazole			3.33	3.38		mg/Kg		101	64 - 120	2	30
Chrysene			3.33	3.50		mg/Kg		105	67 - 120	1	30
Dibenz(a,h)anthracene			3.33	3.88		mg/Kg		117	66 - 128	2	30
Dibenzofuran			3.33	3.45		mg/Kg		104	61 - 120	2	30
Diethyl phthalate			3.33	3.28		mg/Kg		98	63 - 120	0	30
Dimethyl phthalate			3.33	3.37		mg/Kg		101	65 - 120	0	30
Di-n-butyl phthalate			3.33	3.49		mg/Kg		105	66 - 120	1	30
Di-n-octyl phthalate			3.33	3.57		mg/Kg		107	61 - 123	0	30
Fluoranthene			3.33	3.35		mg/Kg		100	61 - 120	1	30
Fluorene			3.33	3.37		mg/Kg		101	64 - 120	0	30
Hexachlorobenzene			3.33	3.62		mg/Kg		109	66 - 120	2	30
Hexachlorobutadiene			3.33	3.56		mg/Kg		107	62 - 120	2	30
Hexachlorocyclopentadiene			3.33	3.61		mg/Kg		108	13 - 120	1	30
Hexachloroethane			3.33	3.46		mg/Kg		104	61 - 120	0	30
Indeno[1,2,3-cd]pyrene			3.33	4.02		mg/Kg		121	71 - 137	5	30
Isophorone			3.33	3.31		mg/Kg		99	61 - 120	2	30
Naphthalene			3.33	3.40		mg/Kg		102	63 - 120	1	30
Nitrobenzene			3.33	3.34		mg/Kg		100	63 - 120	0	30
N-Nitrosodi-n-propylamine			3.33	3.42		mg/Kg		102	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	3.54		mg/Kg		106	63 - 120	1	30
Pentachlorophenol			6.67	7.12		mg/Kg		107	61 - 126	0	30
Phenanthrene			3.33	3.43		mg/Kg		103	66 - 120	3	30
Phenol			3.33	3.19		mg/Kg		96	63 - 120	2	30
Pyrene			3.33	3.59		mg/Kg		108	61 - 121	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*
2-Fluorobiphenyl	*93*		*38 - 128*
2-Fluorophenol (Surr)	*89*		*31 - 133*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030379/3-A
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030379

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*87*		*35 - 132*
Terphenyl-d14 (Surr)	*91*		*44 - 147*

Lab Sample ID: 460-323525-1 MS
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: 13A_0-5
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.36	U	3.60	3.43		mg/Kg	☼	95	64 - 120
1,2,4,5-Tetrachlorobenzene	0.36	U	3.60	3.50		mg/Kg	☼	97	60 - 120
1,4-Dioxane	0.036	U	3.60	1.94		mg/Kg	☼	54	27 - 120
2,2'-oxybis[1-chloropropane]	0.36	U	3.60	2.93		mg/Kg	☼	81	46 - 126
2,3,4,6-Tetrachlorophenol	0.36	U	3.60	3.24		mg/Kg	☼	90	62 - 120
2,4,5-Trichlorophenol	0.36	U	3.60	3.51		mg/Kg	☼	97	64 - 120
2,4,6-Trichlorophenol	0.14	U	3.60	3.53		mg/Kg	☼	98	65 - 120
2,4-Dichlorophenol	0.14	U	3.60	3.36		mg/Kg	☼	93	66 - 120
2,4-Dimethylphenol	0.36	U	3.60	3.21		mg/Kg	☼	89	46 - 120
2,4-Dinitrophenol	0.29	U	7.21	4.75		mg/Kg	☼	66	41 - 129
2,4-Dinitrotoluene	0.072	U	3.60	3.30		mg/Kg	☼	92	65 - 124
2,6-Dinitrotoluene	0.072	U	3.60	3.33		mg/Kg	☼	92	67 - 121
2-Chloronaphthalene	0.36	U	3.60	3.43		mg/Kg	☼	95	64 - 120
2-Chlorophenol	0.36	U	3.60	3.17		mg/Kg	☼	88	63 - 120
2-Methylnaphthalene	0.36	U	3.60	3.17		mg/Kg	☼	88	64 - 120
2-Methylphenol	0.36	U	3.60	3.13		mg/Kg	☼	87	63 - 120
2-Nitroaniline	0.36	U	3.60	2.99		mg/Kg	☼	83	48 - 120
2-Nitrophenol	0.36	U	3.60	3.25		mg/Kg	☼	90	64 - 120
3 & 4 Methylphenol	0.36	U	3.60	2.94		mg/Kg	☼	82	61 - 120
3,3'-Dichlorobenzidine	0.14	U	3.60	2.42		mg/Kg	☼	67	10 - 120
3-Nitroaniline	0.36	U	3.60	2.72		mg/Kg	☼	76	18 - 122
4,6-Dinitro-2-methylphenol	0.29	U	7.21	6.68		mg/Kg	☼	93	58 - 136
4-Bromophenyl phenyl ether	0.36	U	3.60	3.59		mg/Kg	☼	100	60 - 120
4-Chloro-3-methylphenol	0.36	U	3.60	3.15		mg/Kg	☼	87	66 - 120
4-Chloroaniline	0.36	U	3.60	2.05		mg/Kg	☼	57	10 - 120
4-Chlorophenyl phenyl ether	0.36	U	3.60	3.37		mg/Kg	☼	94	62 - 120
4-Methylphenol	0.36	U	3.60	2.94		mg/Kg	☼	82	61 - 120
4-Nitroaniline	0.36	U	3.60	2.87		mg/Kg	☼	80	51 - 120
4-Nitrophenol	0.72	U	7.21	5.86		mg/Kg	☼	81	42 - 132
Acenaphthene	0.36	U	3.60	3.36		mg/Kg	☼	93	65 - 120
Acenaphthylene	0.012	J	3.60	3.39		mg/Kg	☼	94	64 - 120
Acetophenone	0.36	U	3.60	2.76		mg/Kg	☼	77	61 - 120
Anthracene	0.016	J	3.60	3.47		mg/Kg	☼	96	67 - 120
Atrazine	0.14	U *	1.44	2.68	E *	mg/Kg	☼	186	32 - 150
Benzaldehyde	0.36	U *	1.44	2.30	E *	mg/Kg	☼	159	28 - 150
Benzo[a]anthracene	0.036	U	3.60	3.39		mg/Kg	☼	94	66 - 120
Benzo[a]pyrene	0.015	J	3.60	3.60		mg/Kg	☼	99	73 - 123
Benzo[b]fluoranthene	0.022	J	3.60	3.54		mg/Kg	☼	98	70 - 125
Benzo[g,h,i]perylene	0.017	J	3.60	3.97		mg/Kg	☼	110	66 - 120
Benzo[k]fluoranthene	0.036	U	3.60	3.31		mg/Kg	☼	92	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323525-1 MS
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: 13A_0-5
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.36	U	3.60	3.23		mg/Kg	☼	90	62 - 120
Bis(2-chloroethyl)ether	0.036	U	3.60	3.07		mg/Kg	☼	85	60 - 120
Bis(2-ethylhexyl) phthalate	0.36	U	3.60	3.67		mg/Kg	☼	102	64 - 125
Butyl benzyl phthalate	0.36	U	3.60	3.69		mg/Kg	☼	103	62 - 127
Caprolactam	0.36	U *	1.44	2.07		mg/Kg	☼	143	36 - 150
Carbazole	0.36	U	3.60	3.26		mg/Kg	☼	90	64 - 120
Chrysene	0.36	U	3.60	3.44		mg/Kg	☼	95	67 - 120
Dibenz(a,h)anthracene	0.036	U	3.60	3.91		mg/Kg	☼	109	66 - 128
Dibenzofuran	0.36	U	3.60	3.32		mg/Kg	☼	92	61 - 120
Diethyl phthalate	0.36	U	3.60	3.23		mg/Kg	☼	90	63 - 120
Dimethyl phthalate	0.36	U	3.60	3.32		mg/Kg	☼	92	65 - 120
Di-n-butyl phthalate	0.36	U	3.60	3.39		mg/Kg	☼	94	66 - 120
Di-n-octyl phthalate	0.36	U	3.60	3.37		mg/Kg	☼	94	61 - 123
Fluoranthene	0.017	J	3.60	3.08		mg/Kg	☼	85	61 - 120
Fluorene	0.36	U	3.60	3.30		mg/Kg	☼	92	64 - 120
Hexachlorobenzene	0.036	U	3.60	3.61		mg/Kg	☼	100	66 - 120
Hexachlorobutadiene	0.072	U	3.60	3.20		mg/Kg	☼	89	62 - 120
Hexachlorocyclopentadiene	0.36	U	3.60	3.10		mg/Kg	☼	86	13 - 120
Hexachloroethane	0.036	U	3.60	3.00		mg/Kg	☼	83	61 - 120
Indeno[1,2,3-cd]pyrene	0.016	J	3.60	4.06		mg/Kg	☼	112	71 - 137
Isophorone	0.14	U	3.60	3.12		mg/Kg	☼	87	61 - 120
Naphthalene	0.36	U	3.60	3.17		mg/Kg	☼	88	63 - 120
Nitrobenzene	0.036	U	3.60	2.98		mg/Kg	☼	83	63 - 120
N-Nitrosodi-n-propylamine	0.036	U	3.60	3.11		mg/Kg	☼	86	56 - 120
N-Nitrosodiphenylamine	0.36	U	3.60	3.54		mg/Kg	☼	98	63 - 120
Pentachlorophenol	0.29	U	7.21	6.78		mg/Kg	☼	94	61 - 126
Phenanthrene	0.029	J	3.60	3.45		mg/Kg	☼	95	66 - 120
Phenol	0.36	U	3.60	3.00		mg/Kg	☼	83	63 - 120
Pyrene	0.025	J	3.60	3.69		mg/Kg	☼	102	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*98*		*38 - 128*
2-Fluorophenol (Surr)	*88*		*31 - 133*
Nitrobenzene-d5 (Surr)	*87*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*100*		*44 - 147*

Lab Sample ID: 460-323525-1 MSD
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: 13A_0-5
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.60	3.87		mg/Kg	☼	108	64 - 120	12	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.60	3.91		mg/Kg	☼	109	60 - 120	11	30
1,4-Dioxane	0.036	U	3.60	2.09		mg/Kg	☼	58	27 - 120	8	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.60	3.45		mg/Kg	☼	96	46 - 126	16	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.60	3.61		mg/Kg	☼	100	62 - 120	11	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323525-1 MSD
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: 13A_0-5
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.36	U	3.60	3.98		mg/Kg	☼	111	64 - 120	12	30
2,4,6-Trichlorophenol	0.14	U	3.60	4.00		mg/Kg	☼	111	65 - 120	12	30
2,4-Dichlorophenol	0.14	U	3.60	3.82		mg/Kg	☼	106	66 - 120	13	30
2,4-Dimethylphenol	0.36	U	3.60	3.55		mg/Kg	☼	99	46 - 120	10	30
2,4-Dinitrophenol	0.29	U	7.20	3.66		mg/Kg	☼	51	41 - 129	26	30
2,4-Dinitrotoluene	0.072	U	3.60	3.66		mg/Kg	☼	102	65 - 124	10	30
2,6-Dinitrotoluene	0.072	U	3.60	3.76		mg/Kg	☼	104	67 - 121	12	30
2-Chloronaphthalene	0.36	U	3.60	3.84		mg/Kg	☼	107	64 - 120	11	30
2-Chlorophenol	0.36	U	3.60	3.60		mg/Kg	☼	100	63 - 120	13	30
2-Methylnaphthalene	0.36	U	3.60	3.57		mg/Kg	☼	99	64 - 120	12	30
2-Methylphenol	0.36	U	3.60	3.52		mg/Kg	☼	98	63 - 120	11	30
2-Nitroaniline	0.36	U	3.60	3.41		mg/Kg	☼	95	48 - 120	13	30
2-Nitrophenol	0.36	U	3.60	3.68		mg/Kg	☼	102	64 - 120	12	30
3 & 4 Methylphenol	0.36	U	3.60	3.42		mg/Kg	☼	95	61 - 120	15	30
3,3'-Dichlorobenzidine	0.14	U	3.60	2.79		mg/Kg	☼	78	10 - 120	14	30
3-Nitroaniline	0.36	U	3.60	3.10		mg/Kg	☼	86	18 - 122	13	30
4,6-Dinitro-2-methylphenol	0.29	U	7.20	6.92		mg/Kg	☼	96	58 - 136	4	30
4-Bromophenyl phenyl ether	0.36	U	3.60	4.06		mg/Kg	☼	113	60 - 120	12	30
4-Chloro-3-methylphenol	0.36	U	3.60	3.52		mg/Kg	☼	98	66 - 120	11	30
4-Chloroaniline	0.36	U	3.60	2.40		mg/Kg	☼	67	10 - 120	16	30
4-Chlorophenyl phenyl ether	0.36	U	3.60	3.74		mg/Kg	☼	104	62 - 120	10	30
4-Methylphenol	0.36	U	3.60	3.42		mg/Kg	☼	95	61 - 120	15	30
4-Nitroaniline	0.36	U	3.60	3.07		mg/Kg	☼	85	51 - 120	7	30
4-Nitrophenol	0.72	U	7.20	6.60		mg/Kg	☼	92	42 - 132	12	30
Acenaphthene	0.36	U	3.60	3.81		mg/Kg	☼	106	65 - 120	13	30
Acenaphthylene	0.012	J	3.60	3.77		mg/Kg	☼	105	64 - 120	11	30
Acetophenone	0.36	U	3.60	3.22		mg/Kg	☼	89	61 - 120	16	30
Anthracene	0.016	J	3.60	3.87		mg/Kg	☼	107	67 - 120	11	30
Atrazine	0.14	U *	1.44	3.25	E *	mg/Kg	☼	226	32 - 150	19	30
Benzaldehyde	0.36	U *	1.44	2.81	E *	mg/Kg	☼	195	28 - 150	20	30
Benzo[a]anthracene	0.036	U	3.60	3.84		mg/Kg	☼	107	66 - 120	12	30
Benzo[a]pyrene	0.015	J	3.60	3.97		mg/Kg	☼	110	73 - 123	10	30
Benzo[b]fluoranthene	0.022	J	3.60	3.83		mg/Kg	☼	106	70 - 125	8	30
Benzo[g,h,i]perylene	0.017	J	3.60	4.40	*	mg/Kg	☼	122	66 - 120	10	30
Benzo[k]fluoranthene	0.036	U	3.60	3.75		mg/Kg	☼	104	67 - 122	12	30
Bis(2-chloroethoxy)methane	0.36	U	3.60	3.64		mg/Kg	☼	101	62 - 120	12	30
Bis(2-chloroethyl)ether	0.036	U	3.60	3.54		mg/Kg	☼	98	60 - 120	14	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.60	4.19		mg/Kg	☼	116	64 - 125	13	30
Butyl benzyl phthalate	0.36	U	3.60	4.21		mg/Kg	☼	117	62 - 127	13	30
Caprolactam	0.36	U *	1.44	2.48	E *	mg/Kg	☼	172	36 - 150	18	30
Carbazole	0.36	U	3.60	3.66		mg/Kg	☼	102	64 - 120	12	30
Chrysene	0.36	U	3.60	3.85		mg/Kg	☼	107	67 - 120	11	30
Dibenz(a,h)anthracene	0.036	U	3.60	4.30		mg/Kg	☼	119	66 - 128	9	30
Dibenzofuran	0.36	U	3.60	3.73		mg/Kg	☼	104	61 - 120	12	30
Diethyl phthalate	0.36	U	3.60	3.61		mg/Kg	☼	100	63 - 120	11	30
Dimethyl phthalate	0.36	U	3.60	3.71		mg/Kg	☼	103	65 - 120	11	30
Di-n-butyl phthalate	0.36	U	3.60	3.81		mg/Kg	☼	106	66 - 120	12	30
Di-n-octyl phthalate	0.36	U	3.60	3.81		mg/Kg	☼	106	61 - 123	12	30
Fluoranthene	0.017	J	3.60	3.42		mg/Kg	☼	94	61 - 120	10	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323525-1 MSD
Matrix: Solid
Analysis Batch: 1030459

Client Sample ID: 13A_0-5
Prep Type: Total/NA
Prep Batch: 1030379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.36	U	3.60	3.65		mg/Kg	☼	101	64 - 120	10	30
Hexachlorobenzene	0.036	U	3.60	4.01		mg/Kg	☼	112	66 - 120	11	30
Hexachlorobutadiene	0.072	U	3.60	3.61		mg/Kg	☼	100	62 - 120	12	30
Hexachlorocyclopentadiene	0.36	U	3.60	3.57		mg/Kg	☼	99	13 - 120	14	30
Hexachloroethane	0.036	U	3.60	3.44		mg/Kg	☼	96	61 - 120	14	30
Indeno[1,2,3-cd]pyrene	0.016	J	3.60	4.41		mg/Kg	☼	122	71 - 137	8	30
Isophorone	0.14	U	3.60	3.53		mg/Kg	☼	98	61 - 120	12	30
Naphthalene	0.36	U	3.60	3.55		mg/Kg	☼	99	63 - 120	11	30
Nitrobenzene	0.036	U	3.60	3.49		mg/Kg	☼	97	63 - 120	16	30
N-Nitrosodi-n-propylamine	0.036	U	3.60	3.61		mg/Kg	☼	100	56 - 120	15	30
N-Nitrosodiphenylamine	0.36	U	3.60	4.02		mg/Kg	☼	112	63 - 120	13	30
Pentachlorophenol	0.29	U	7.20	7.44		mg/Kg	☼	103	61 - 126	9	30
Phenanthrene	0.029	J	3.60	3.81		mg/Kg	☼	105	66 - 120	10	30
Phenol	0.36	U	3.60	3.43		mg/Kg	☼	95	63 - 120	13	30
Pyrene	0.025	J	3.60	4.16		mg/Kg	☼	115	61 - 121	12	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 137*
2-Fluorobiphenyl	*100*		*38 - 128*
2-Fluorophenol (Surr)	*92*		*31 - 133*
Nitrobenzene-d5 (Surr)	*90*		*31 - 120*
Phenol-d5 (Surr)	*89*		*35 - 132*
Terphenyl-d14 (Surr)	*101*		*44 - 147*

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
2-Fluorobiphenyl	*93*		*38 - 128*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Phenol-d5 (Surr)	*90*		*35 - 132*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*04/08/25 10:12*	*04/08/25 20:44*	*1*

Lab Sample ID: LCS 460-1030380/2-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.67		mg/Kg		110	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.70		mg/Kg		111	60 - 120
1,4-Dioxane	3.33	3.28		mg/Kg		98	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.63		mg/Kg		109	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.63		mg/Kg		109	62 - 120
2,4,5-Trichlorophenol	3.33	3.67		mg/Kg		110	64 - 120
2,4,6-Trichlorophenol	3.33	3.70		mg/Kg		111	65 - 120
2,4-Dichlorophenol	3.33	3.72		mg/Kg		111	66 - 120
2,4-Dimethylphenol	3.33	3.66		mg/Kg		110	46 - 120
2,4-Dinitrophenol	6.67	7.15		mg/Kg		107	41 - 129
2,4-Dinitrotoluene	3.33	3.71		mg/Kg		111	65 - 124
2,6-Dinitrotoluene	3.33	3.62		mg/Kg		109	67 - 121
2-Chloronaphthalene	3.33	3.67		mg/Kg		110	64 - 120
2-Chlorophenol	3.33	3.63		mg/Kg		109	63 - 120
2-Methylnaphthalene	3.33	3.58		mg/Kg		107	64 - 120
2-Methylphenol	3.33	3.57		mg/Kg		107	63 - 120
2-Nitroaniline	3.33	3.18		mg/Kg		95	48 - 120
2-Nitrophenol	3.33	3.67		mg/Kg		110	64 - 120
3 & 4 Methylphenol	3.33	3.52		mg/Kg		106	61 - 120
3,3'-Dichlorobenzidine	3.33	1.75		mg/Kg		53	10 - 120
3-Nitroaniline	3.33	2.65		mg/Kg		79	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.66		mg/Kg		115	58 - 136
4-Bromophenyl phenyl ether	3.33	3.86		mg/Kg		116	60 - 120
4-Chloro-3-methylphenol	3.33	3.58		mg/Kg		107	66 - 120
4-Chloroaniline	3.33	1.79		mg/Kg		54	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.75		mg/Kg		112	62 - 120
4-Methylphenol	3.33	3.52		mg/Kg		106	61 - 120
4-Nitroaniline	3.33	3.19		mg/Kg		96	51 - 120
4-Nitrophenol	6.67	6.95		mg/Kg		104	42 - 132
Acenaphthene	3.33	3.65		mg/Kg		109	65 - 120
Acenaphthylene	3.33	3.58		mg/Kg		107	64 - 120
Acetophenone	3.33	3.17		mg/Kg		95	61 - 120
Anthracene	3.33	3.63		mg/Kg		109	67 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030380/2-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	1.33	2.43	*	mg/Kg		182	32 - 150
Benzaldehyde	1.33	2.31	*	mg/Kg		173	28 - 150
Benzo[a]anthracene	3.33	3.62		mg/Kg		108	66 - 120
Benzo[a]pyrene	3.33	3.81		mg/Kg		114	73 - 123
Benzo[b]fluoranthene	3.33	3.83		mg/Kg		115	70 - 125
Benzo[g,h,i]perylene	3.33	4.12	*	mg/Kg		124	66 - 120
Benzo[k]fluoranthene	3.33	3.77		mg/Kg		113	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.67		mg/Kg		110	62 - 120
Bis(2-chloroethyl)ether	3.33	3.64		mg/Kg		109	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.55		mg/Kg		106	64 - 125
Butyl benzyl phthalate	3.33	3.57		mg/Kg		107	62 - 127
Caprolactam	1.33	2.27	*	mg/Kg		170	36 - 150
Carbazole	3.33	3.61		mg/Kg		108	64 - 120
Chrysene	3.33	3.67		mg/Kg		110	67 - 120
Dibenz(a,h)anthracene	3.33	4.17		mg/Kg		125	66 - 128
Dibenzofuran	3.33	3.64		mg/Kg		109	61 - 120
Diethyl phthalate	3.33	3.52		mg/Kg		106	63 - 120
Dimethyl phthalate	3.33	3.51		mg/Kg		105	65 - 120
Di-n-butyl phthalate	3.33	3.65		mg/Kg		109	66 - 120
Di-n-octyl phthalate	3.33	3.45		mg/Kg		104	61 - 123
Fluoranthene	3.33	3.63		mg/Kg		109	61 - 120
Fluorene	3.33	3.64		mg/Kg		109	64 - 120
Hexachlorobenzene	3.33	3.83		mg/Kg		115	66 - 120
Hexachlorobutadiene	3.33	3.71		mg/Kg		111	62 - 120
Hexachlorocyclopentadiene	3.33	3.85		mg/Kg		115	13 - 120
Hexachloroethane	3.33	3.55		mg/Kg		106	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	4.19		mg/Kg		126	71 - 137
Isophorone	3.33	3.56		mg/Kg		107	61 - 120
Naphthalene	3.33	3.56		mg/Kg		107	63 - 120
Nitrobenzene	3.33	3.46		mg/Kg		104	63 - 120
N-Nitrosodi-n-propylamine	3.33	3.54		mg/Kg		106	56 - 120
N-Nitrosodiphenylamine	3.33	3.63		mg/Kg		109	63 - 120
Pentachlorophenol	6.67	7.91		mg/Kg		119	61 - 126
Phenanthrene	3.33	3.63		mg/Kg		109	66 - 120
Phenol	3.33	3.67		mg/Kg		110	63 - 120
Pyrene	3.33	3.71		mg/Kg		111	61 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*
2-Fluorobiphenyl	*96*		*38 - 128*
2-Fluorophenol (Surr)	*95*		*31 - 133*
Nitrobenzene-d5 (Surr)	*96*		*31 - 120*
Phenol-d5 (Surr)	*94*		*35 - 132*
Terphenyl-d14 (Surr)	*92*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030380/3-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030380

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.67		mg/Kg		110	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene			3.33	3.67		mg/Kg		110	60 - 120	1	30
1,4-Dioxane			3.33	3.28		mg/Kg		98	27 - 120	0	30
2,2'-oxybis[1-chloropropane]			3.33	3.68		mg/Kg		110	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.80		mg/Kg		114	62 - 120	4	30
2,4,5-Trichlorophenol			3.33	3.71		mg/Kg		111	64 - 120	1	30
2,4,6-Trichlorophenol			3.33	3.70		mg/Kg		111	65 - 120	0	30
2,4-Dichlorophenol			3.33	3.79		mg/Kg		114	66 - 120	2	30
2,4-Dimethylphenol			3.33	3.74		mg/Kg		112	46 - 120	2	30
2,4-Dinitrophenol			6.67	7.08		mg/Kg		106	41 - 129	1	30
2,4-Dinitrotoluene			3.33	3.72		mg/Kg		112	65 - 124	0	30
2,6-Dinitrotoluene			3.33	3.63		mg/Kg		109	67 - 121	0	30
2-Chloronaphthalene			3.33	3.66		mg/Kg		110	64 - 120	0	30
2-Chlorophenol			3.33	3.67		mg/Kg		110	63 - 120	1	30
2-Methylnaphthalene			3.33	3.64		mg/Kg		109	64 - 120	2	30
2-Methylphenol			3.33	3.57		mg/Kg		107	63 - 120	0	30
2-Nitroaniline			3.33	3.14		mg/Kg		94	48 - 120	1	30
2-Nitrophenol			3.33	3.71		mg/Kg		111	64 - 120	1	30
3 & 4 Methylphenol			3.33	3.59		mg/Kg		108	61 - 120	2	30
3,3'-Dichlorobenzidine			3.33	1.72		mg/Kg		51	10 - 120	2	30
3-Nitroaniline			3.33	2.60		mg/Kg		78	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	7.85		mg/Kg		118	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	3.92		mg/Kg		117	60 - 120	1	30
4-Chloro-3-methylphenol			3.33	3.61		mg/Kg		108	66 - 120	1	30
4-Chloroaniline			3.33	1.75		mg/Kg		52	10 - 120	2	30
4-Chlorophenyl phenyl ether			3.33	3.76		mg/Kg		113	62 - 120	0	30
4-Methylphenol			3.33	3.59		mg/Kg		108	61 - 120	2	30
4-Nitroaniline			3.33	3.12		mg/Kg		93	51 - 120	2	30
4-Nitrophenol			6.67	6.96		mg/Kg		104	42 - 132	0	30
Acenaphthene			3.33	3.68		mg/Kg		110	65 - 120	1	30
Acenaphthylene			3.33	3.60		mg/Kg		108	64 - 120	1	30
Acetophenone			3.33	3.27		mg/Kg		98	61 - 120	3	30
Anthracene			3.33	3.71		mg/Kg		111	67 - 120	2	30
Atrazine			1.33	2.82	*	mg/Kg		211	32 - 150	15	30
Benzaldehyde			1.33	2.62	*	mg/Kg		197	28 - 150	13	30
Benzo[a]anthracene			3.33	3.63		mg/Kg		109	66 - 120	0	30
Benzo[a]pyrene			3.33	3.90		mg/Kg		117	73 - 123	2	30
Benzo[b]fluoranthene			3.33	3.83		mg/Kg		115	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	4.18	*	mg/Kg		125	66 - 120	1	30
Benzo[k]fluoranthene			3.33	3.81		mg/Kg		114	67 - 122	1	30
Bis(2-chloroethoxy)methane			3.33	3.73		mg/Kg		112	62 - 120	2	30
Bis(2-chloroethyl)ether			3.33	3.62		mg/Kg		109	60 - 120	0	30
Bis(2-ethylhexyl) phthalate			3.33	3.51		mg/Kg		105	64 - 125	1	30
Butyl benzyl phthalate			3.33	3.55		mg/Kg		107	62 - 127	1	30
Caprolactam			1.33	2.57	*	mg/Kg		193	36 - 150	13	30
Carbazole			3.33	3.63		mg/Kg		109	64 - 120	0	30
Chrysene			3.33	3.65		mg/Kg		110	67 - 120	0	30
Dibenz(a,h)anthracene			3.33	4.21		mg/Kg		126	66 - 128	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030380/3-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030380

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran			3.33	3.63		mg/Kg		109	61 - 120	0	30
Diethyl phthalate			3.33	3.56		mg/Kg		107	63 - 120	1	30
Dimethyl phthalate			3.33	3.54		mg/Kg		106	65 - 120	1	30
Di-n-butyl phthalate			3.33	3.65		mg/Kg		109	66 - 120	0	30
Di-n-octyl phthalate			3.33	3.50		mg/Kg		105	61 - 123	1	30
Fluoranthene			3.33	3.59		mg/Kg		108	61 - 120	1	30
Fluorene			3.33	3.68		mg/Kg		110	64 - 120	1	30
Hexachlorobenzene			3.33	3.85		mg/Kg		116	66 - 120	1	30
Hexachlorobutadiene			3.33	3.73		mg/Kg		112	62 - 120	1	30
Hexachlorocyclopentadiene			3.33	3.87		mg/Kg		116	13 - 120	1	30
Hexachloroethane			3.33	3.69		mg/Kg		111	61 - 120	4	30
Indeno[1,2,3-cd]pyrene			3.33	4.24		mg/Kg		127	71 - 137	1	30
Isophorone			3.33	3.61		mg/Kg		108	61 - 120	1	30
Naphthalene			3.33	3.64		mg/Kg		109	63 - 120	2	30
Nitrobenzene			3.33	3.46		mg/Kg		104	63 - 120	0	30
N-Nitrosodi-n-propylamine			3.33	3.56		mg/Kg		107	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	3.72		mg/Kg		112	63 - 120	2	30
Pentachlorophenol			6.67	7.87		mg/Kg		118	61 - 126	1	30
Phenanthrene			3.33	3.67		mg/Kg		110	66 - 120	1	30
Phenol			3.33	3.73		mg/Kg		112	63 - 120	2	30
Pyrene			3.33	3.73		mg/Kg		112	61 - 121	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*
2-Fluorobiphenyl	*95*		*38 - 128*
2-Fluorophenol (Surr)	*96*		*31 - 133*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*
Phenol-d5 (Surr)	*93*		*35 - 132*
Terphenyl-d14 (Surr)	*93*		*44 - 147*

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	2.8		3.84	4.82	*	mg/Kg	☼	53	64 - 120
1,2,4,5-Tetrachlorobenzene	0.38	U	3.84	3.88		mg/Kg	☼	101	60 - 120
1,4-Dioxane	0.038	U	3.84	1.87		mg/Kg	☼	49	27 - 120
2,2'-oxybis[1-chloropropane]	0.38	U	3.84	3.16		mg/Kg	☼	82	46 - 126
2,3,4,6-Tetrachlorophenol	0.38	U	3.84	3.95		mg/Kg	☼	103	62 - 120
2,4,5-Trichlorophenol	0.38	U	3.84	3.82		mg/Kg	☼	99	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.84	3.78		mg/Kg	☼	99	65 - 120
2,4-Dichlorophenol	0.15	U	3.84	3.98		mg/Kg	☼	104	66 - 120
2,4-Dimethylphenol	0.38	U	3.84	3.44		mg/Kg	☼	90	46 - 120
2,4-Dinitrophenol	0.31	U	7.68	7.21		mg/Kg	☼	94	41 - 129
2,4-Dinitrotoluene	0.077	U	3.84	4.14		mg/Kg	☼	108	65 - 124
2,6-Dinitrotoluene	0.077	U	3.84	4.00		mg/Kg	☼	104	67 - 121
2-Chloronaphthalene	0.38	U	3.84	3.00		mg/Kg	☼	78	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	0.38	U	3.84	3.39		mg/Kg	☼	88	63 - 120
2-Methylnaphthalene	11	E	3.84	11.5	E *	mg/Kg	☼	16	64 - 120
2-Methylphenol	0.38	U	3.84	3.36		mg/Kg	☼	88	63 - 120
2-Nitroaniline	0.38	U	3.84	2.80		mg/Kg	☼	73	48 - 120
2-Nitrophenol	0.38	U	3.84	3.79		mg/Kg	☼	99	64 - 120
3 & 4 Methylphenol	0.38	U	3.84	3.42		mg/Kg	☼	89	61 - 120
3,3'-Dichlorobenzidine	0.15	U	3.84	2.29		mg/Kg	☼	60	10 - 120
3-Nitroaniline	0.38	U	3.84	2.97		mg/Kg	☼	77	18 - 122
4,6-Dinitro-2-methylphenol	0.31	U	7.68	7.03		mg/Kg	☼	91	58 - 136
4-Bromophenyl phenyl ether	0.38	U	3.84	3.78		mg/Kg	☼	98	60 - 120
4-Chloro-3-methylphenol	0.38	U	3.84	3.44		mg/Kg	☼	90	66 - 120
4-Chloroaniline	0.38	U	3.84	2.21		mg/Kg	☼	58	10 - 120
4-Chlorophenyl phenyl ether	0.38	U	3.84	3.80		mg/Kg	☼	99	62 - 120
4-Methylphenol	0.38	U	3.84	3.42		mg/Kg	☼	89	61 - 120
4-Nitroaniline	0.38	U	3.84	2.85		mg/Kg	☼	74	51 - 120
4-Nitrophenol	0.77	U	7.68	5.76		mg/Kg	☼	75	42 - 132
Acenaphthene	0.38	U	3.84	3.94		mg/Kg	☼	103	65 - 120
Acenaphthylene	0.38	U	3.84	3.63		mg/Kg	☼	95	64 - 120
Acetophenone	0.38	U	3.84	9.00	*	mg/Kg	☼	235	61 - 120
Anthracene	0.38	U	3.84	3.63		mg/Kg	☼	95	67 - 120
Atrazine	0.15	U *	1.54	3.51	*	mg/Kg	☼	229	32 - 150
Benzaldehyde	0.38	U *	1.54	2.98	*	mg/Kg	☼	194	28 - 150
Benzo[a]anthracene	0.033	J	3.84	3.47		mg/Kg	☼	90	66 - 120
Benzo[a]pyrene	0.025	J	3.84	3.62		mg/Kg	☼	94	73 - 123
Benzo[b]fluoranthene	0.043		3.84	3.55		mg/Kg	☼	91	70 - 125
Benzo[g,h,i]perylene	0.023	J *	3.84	4.33		mg/Kg	☼	112	66 - 120
Benzo[k]fluoranthene	0.017	J	3.84	3.46		mg/Kg	☼	90	67 - 122
Bis(2-chloroethoxy)methane	0.38	U	3.84	3.42		mg/Kg	☼	89	62 - 120
Bis(2-chloroethyl)ether	0.038	U	3.84	3.20		mg/Kg	☼	83	60 - 120
Bis(2-ethylhexyl) phthalate	0.38	U	3.84	3.24		mg/Kg	☼	84	64 - 125
Butyl benzyl phthalate	0.38	U	3.84	3.09		mg/Kg	☼	80	62 - 127
Caprolactam	0.38	U *	1.54	3.71	*	mg/Kg	☼	241	36 - 150
Carbazole	0.38	U	3.84	3.38		mg/Kg	☼	88	64 - 120
Chrysene	0.050	J	3.84	3.52		mg/Kg	☼	90	67 - 120
Dibenz(a,h)anthracene	0.038	U	3.84	4.24		mg/Kg	☼	110	66 - 128
Dibenzofuran	0.38	U	3.84	3.73		mg/Kg	☼	97	61 - 120
Diethyl phthalate	0.38	U	3.84	3.78		mg/Kg	☼	98	63 - 120
Dimethyl phthalate	0.38	U	3.84	3.35		mg/Kg	☼	87	65 - 120
Di-n-butyl phthalate	0.38	U	3.84	3.56		mg/Kg	☼	93	66 - 120
Di-n-octyl phthalate	0.38	U	3.84	3.01		mg/Kg	☼	78	61 - 123
Fluoranthene	0.091	J	3.84	4.02		mg/Kg	☼	102	61 - 120
Fluorene	1.2		3.84	4.08		mg/Kg	☼	76	64 - 120
Hexachlorobenzene	0.038	U	3.84	3.82		mg/Kg	☼	100	66 - 120
Hexachlorobutadiene	0.077	U	3.84	3.97		mg/Kg	☼	103	62 - 120
Hexachlorocyclopentadiene	0.38	U	3.84	3.53		mg/Kg	☼	92	13 - 120
Hexachloroethane	0.038	U	3.84	5.40	*	mg/Kg	☼	141	61 - 120
Indeno[1,2,3-cd]pyrene	0.021	J	3.84	4.29		mg/Kg	☼	111	71 - 137
Isophorone	0.15	U	3.84	4.26		mg/Kg	☼	111	61 - 120
Naphthalene	3.6		3.84	5.25	*	mg/Kg	☼	44	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	0.038	U	3.84	3.24		mg/Kg	☼	84	63 - 120
N-Nitrosodi-n-propylamine	0.038	U	3.84	4.38		mg/Kg	☼	114	56 - 120
N-Nitrosodiphenylamine	0.38	U	3.84	4.89	*	mg/Kg	☼	127	63 - 120
Pentachlorophenol	0.31	U	7.68	8.00		mg/Kg	☼	104	61 - 126
Phenanthrene	0.91		3.84	4.24		mg/Kg	☼	87	66 - 120
Phenol	0.38	U	3.84	3.40		mg/Kg	☼	88	63 - 120
Pyrene	0.50		3.84	3.45		mg/Kg	☼	77	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*24 - 137*
2-Fluorobiphenyl	*95*		*38 - 128*
2-Fluorophenol (Surr)	*84*		*31 - 133*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*81*		*44 - 147*

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	2.8		3.83	5.62		mg/Kg	☼	74	64 - 120	15	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.83	4.93	*	mg/Kg	☼	129	60 - 120	24	30
1,4-Dioxane	0.038	U	3.83	1.71		mg/Kg	☼	45	27 - 120	9	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.83	2.18	*	mg/Kg	☼	57	46 - 126	37	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.83	4.70	*	mg/Kg	☼	123	62 - 120	18	30
2,4,5-Trichlorophenol	0.38	U	3.83	4.50		mg/Kg	☼	117	64 - 120	16	30
2,4,6-Trichlorophenol	0.15	U	3.83	4.64	*	mg/Kg	☼	121	65 - 120	20	30
2,4-Dichlorophenol	0.15	U	3.83	4.49		mg/Kg	☼	117	66 - 120	12	30
2,4-Dimethylphenol	0.38	U	3.83	3.58		mg/Kg	☼	93	46 - 120	4	30
2,4-Dinitrophenol	0.31	U	7.67	8.17		mg/Kg	☼	107	41 - 129	13	30
2,4-Dinitrotoluene	0.077	U	3.83	4.70		mg/Kg	☼	123	65 - 124	13	30
2,6-Dinitrotoluene	0.077	U	3.83	4.57		mg/Kg	☼	119	67 - 121	13	30
2-Chloronaphthalene	0.38	U	3.83	3.68		mg/Kg	☼	96	64 - 120	20	30
2-Chlorophenol	0.38	U	3.83	3.35		mg/Kg	☼	87	63 - 120	1	30
2-Methylnaphthalene	11	E	3.83	11.2	E *	mg/Kg	☼	10	64 - 120	2	30
2-Methylphenol	0.38	U	3.83	2.97		mg/Kg	☼	78	63 - 120	12	30
2-Nitroaniline	0.38	U	3.83	3.23		mg/Kg	☼	84	48 - 120	14	30
2-Nitrophenol	0.38	U	3.83	4.26		mg/Kg	☼	111	64 - 120	12	30
3 & 4 Methylphenol	0.38	U	3.83	3.04		mg/Kg	☼	79	61 - 120	12	30
3,3'-Dichlorobenzidine	0.15	U	3.83	2.34		mg/Kg	☼	61	10 - 120	2	30
3-Nitroaniline	0.38	U	3.83	3.82		mg/Kg	☼	100	18 - 122	25	30
4,6-Dinitro-2-methylphenol	0.31	U	7.67	6.87		mg/Kg	☼	90	58 - 136	2	30
4-Bromophenyl phenyl ether	0.38	U	3.83	3.97		mg/Kg	☼	104	60 - 120	5	30
4-Chloro-3-methylphenol	0.38	U	3.83	3.55		mg/Kg	☼	93	66 - 120	3	30
4-Chloroaniline	0.38	U	3.83	2.13		mg/Kg	☼	56	10 - 120	4	30
4-Chlorophenyl phenyl ether	0.38	U	3.83	4.39		mg/Kg	☼	115	62 - 120	14	30
4-Methylphenol	0.38	U	3.83	3.04		mg/Kg	☼	79	61 - 120	12	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	0.38	U	3.83	3.31		mg/Kg	☼	86	51 - 120	15	30
4-Nitrophenol	0.77	U	7.67	5.97		mg/Kg	☼	78	42 - 132	4	30
Acenaphthene	0.38	U	3.83	4.36		mg/Kg	☼	114	65 - 120	10	30
Acenaphthylene	0.38	U	3.83	4.34		mg/Kg	☼	113	64 - 120	18	30
Acetophenone	0.38	U	3.83	7.69	*	mg/Kg	☼	200	61 - 120	16	30
Anthracene	0.38	U	3.83	3.66		mg/Kg	☼	96	67 - 120	1	30
Atrazine	0.15	U *	1.53	3.54	*	mg/Kg	☼	231	32 - 150	1	30
Benzaldehyde	0.38	U *	1.53	2.58	*	mg/Kg	☼	168	28 - 150	15	30
Benzo[a]anthracene	0.033	J	3.83	3.41		mg/Kg	☼	88	66 - 120	2	30
Benzo[a]pyrene	0.025	J	3.83	3.64		mg/Kg	☼	94	73 - 123	0	30
Benzo[b]fluoranthene	0.043		3.83	3.62		mg/Kg	☼	93	70 - 125	2	30
Benzo[g,h,i]perylene	0.023	J *	3.83	4.05		mg/Kg	☼	105	66 - 120	7	30
Benzo[k]fluoranthene	0.017	J	3.83	3.57		mg/Kg	☼	93	67 - 122	3	30
Bis(2-chloroethoxy)methane	0.38	U	3.83	3.89		mg/Kg	☼	101	62 - 120	13	30
Bis(2-chloroethyl)ether	0.038	U	3.83	2.88		mg/Kg	☼	75	60 - 120	11	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.83	3.24		mg/Kg	☼	85	64 - 125	0	30
Butyl benzyl phthalate	0.38	U	3.83	3.21		mg/Kg	☼	84	62 - 127	4	30
Caprolactam	0.38	U *	1.53	2.97	*	mg/Kg	☼	194	36 - 150	22	30
Carbazole	0.38	U	3.83	3.33		mg/Kg	☼	87	64 - 120	1	30
Chrysene	0.050	J	3.83	3.52		mg/Kg	☼	91	67 - 120	0	30
Dibenz(a,h)anthracene	0.038	U	3.83	4.04		mg/Kg	☼	105	66 - 128	5	30
Dibenzofuran	0.38	U	3.83	4.20		mg/Kg	☼	110	61 - 120	12	30
Diethyl phthalate	0.38	U	3.83	4.45		mg/Kg	☼	116	63 - 120	16	30
Dimethyl phthalate	0.38	U	3.83	4.03		mg/Kg	☼	105	65 - 120	18	30
Di-n-butyl phthalate	0.38	U	3.83	3.42		mg/Kg	☼	89	66 - 120	4	30
Di-n-octyl phthalate	0.38	U	3.83	3.12		mg/Kg	☼	81	61 - 123	3	30
Fluoranthene	0.091	J	3.83	3.90		mg/Kg	☼	99	61 - 120	3	30
Fluorene	1.2		3.83	4.62		mg/Kg	☼	90	64 - 120	12	30
Hexachlorobenzene	0.038	U	3.83	4.00		mg/Kg	☼	104	66 - 120	5	30
Hexachlorobutadiene	0.077	U	3.83	4.29		mg/Kg	☼	112	62 - 120	8	30
Hexachlorocyclopentadiene	0.38	U	3.83	3.81		mg/Kg	☼	99	13 - 120	8	30
Hexachloroethane	0.038	U	3.83	4.61		mg/Kg	☼	120	61 - 120	16	30
Indeno[1,2,3-cd]pyrene	0.021	J	3.83	4.14		mg/Kg	☼	107	71 - 137	4	30
Isophorone	0.15	U	3.83	4.30		mg/Kg	☼	112	61 - 120	1	30
Naphthalene	3.6		3.83	5.23	*	mg/Kg	☼	44	63 - 120	0	30
Nitrobenzene	0.038	U	3.83	3.05		mg/Kg	☼	80	63 - 120	6	30
N-Nitrosodi-n-propylamine	0.038	U	3.83	3.20	*	mg/Kg	☼	84	56 - 120	31	30
N-Nitrosodiphenylamine	0.38	U	3.83	4.89	*	mg/Kg	☼	128	63 - 120	0	30
Pentachlorophenol	0.31	U	7.67	7.95		mg/Kg	☼	104	61 - 126	1	30
Phenanthrene	0.91		3.83	4.08		mg/Kg	☼	83	66 - 120	4	30
Phenol	0.38	U	3.83	3.16		mg/Kg	☼	83	63 - 120	7	30
Pyrene	0.50		3.83	3.59		mg/Kg	☼	81	61 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*132*		*24 - 137*
2-Fluorobiphenyl	*121*		*38 - 128*
2-Fluorophenol (Surr)	*82*		*31 - 133*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Phenol-d5 (Surr)	*83*		*35 - 132*
Terphenyl-d14 (Surr)	*85*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1030240/1-A
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030240

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/07/25 17:06	04/08/25 04:23	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/07/25 17:06	04/08/25 04:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*73*		*17 - 150*	*04/07/25 17:06*	*04/08/25 04:23*	*1*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*04/07/25 17:06*	*04/08/25 04:23*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/07/25 17:06*	*04/08/25 04:23*	*1*
Tetrachloro-m-xylene	*95*		*21 - 150*	*04/07/25 17:06*	*04/08/25 04:23*	*1*

Lab Sample ID: LCS 460-1030240/2-A
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030240

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.130		mg/Kg		98	70 - 138
4,4'-DDD	0.133	0.132		mg/Kg		99	70 - 138
4,4'-DDE	0.133	0.133		mg/Kg		100	68 - 136
4,4'-DDE	0.133	0.131		mg/Kg		98	68 - 136
4,4'-DDT	0.133	0.119		mg/Kg		90	66 - 149

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1030240/2-A
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030240

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDT			0.133	0.140		mg/Kg		105	66 - 149		
Aldrin			0.133	0.129		mg/Kg		97	69 - 136		
Aldrin			0.133	0.128		mg/Kg		96	69 - 136		
alpha-BHC			0.133	0.135		mg/Kg		101	72 - 134		
alpha-BHC			0.133	0.136		mg/Kg		102	72 - 134		
beta-BHC			0.133	0.130		mg/Kg		97	71 - 130		
beta-BHC			0.133	0.126		mg/Kg		94	71 - 130		
cis-Chlordane			0.133	0.134		mg/Kg		101	69 - 135		
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135		
delta-BHC			0.133	0.132		mg/Kg		99	69 - 140		
delta-BHC			0.133	0.134		mg/Kg		100	69 - 140		
Dieldrin			0.133	0.131		mg/Kg		99	69 - 134		
Dieldrin			0.133	0.131		mg/Kg		98	69 - 134		
Endosulfan I			0.133	0.133		mg/Kg		100	69 - 133		
Endosulfan I			0.133	0.132		mg/Kg		99	69 - 133		
Endosulfan II			0.133	0.139		mg/Kg		104	71 - 137		
Endosulfan II			0.133	0.141		mg/Kg		105	71 - 137		
Endosulfan sulfate			0.133	0.126		mg/Kg		94	61 - 140		
Endosulfan sulfate			0.133	0.127		mg/Kg		95	61 - 140		
Endrin			0.133	0.125		mg/Kg		94	67 - 141		
Endrin			0.133	0.136		mg/Kg		102	67 - 141		
Endrin aldehyde			0.133	0.131		mg/Kg		98	71 - 136		
Endrin aldehyde			0.133	0.130		mg/Kg		98	71 - 136		
Endrin ketone			0.133	0.130		mg/Kg		97	60 - 146		
Endrin ketone			0.133	0.126		mg/Kg		94	60 - 146		
gamma-BHC (Lindane)			0.133	0.133		mg/Kg		100	72 - 139		
gamma-BHC (Lindane)			0.133	0.133		mg/Kg		100	72 - 139		
Heptachlor			0.133	0.131		mg/Kg		99	74 - 138		
Heptachlor			0.133	0.136		mg/Kg		102	74 - 138		
Heptachlor epoxide			0.133	0.131		mg/Kg		98	72 - 134		
Heptachlor epoxide			0.133	0.132		mg/Kg		99	72 - 134		
Methoxychlor			0.133	0.114		mg/Kg		86	60 - 150		
Methoxychlor			0.133	0.140		mg/Kg		105	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*65*		*17 - 150*
DCB Decachlorobiphenyl	*71*		*17 - 150*
Tetrachloro-m-xylene	*92*		*21 - 150*
Tetrachloro-m-xylene	*87*		*21 - 150*

Lab Sample ID: LCSD 460-1030240/3-A
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030240

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.121		mg/Kg		90	70 - 138	8	30
4,4'-DDD			0.133	0.122		mg/Kg		92	70 - 138	7	30
4,4'-DDE			0.133	0.123		mg/Kg		93	68 - 136	8	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1030240/3-A
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030240

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDE			0.133	0.122		mg/Kg		92	68 - 136	6	30
4,4'-DDT			0.133	0.109		mg/Kg		82	66 - 149	9	30
4,4'-DDT			0.133	0.130		mg/Kg		97	66 - 149	7	30
Aldrin			0.133	0.120		mg/Kg		90	69 - 136	7	30
Aldrin			0.133	0.122		mg/Kg		91	69 - 136	5	30
alpha-BHC			0.133	0.126		mg/Kg		95	72 - 134	7	30
alpha-BHC			0.133	0.128		mg/Kg		96	72 - 134	6	30
beta-BHC			0.133	0.120		mg/Kg		90	71 - 130	8	30
beta-BHC			0.133	0.119		mg/Kg		89	71 - 130	6	30
cis-Chlordane			0.133	0.124		mg/Kg		93	69 - 135	8	30
cis-Chlordane			0.133	0.125		mg/Kg		94	69 - 135	6	30
delta-BHC			0.133	0.124		mg/Kg		93	69 - 140	7	30
delta-BHC			0.133	0.126		mg/Kg		95	69 - 140	6	30
Dieldrin			0.133	0.122		mg/Kg		91	69 - 134	7	30
Dieldrin			0.133	0.123		mg/Kg		92	69 - 134	7	30
Endosulfan I			0.133	0.123		mg/Kg		92	69 - 133	8	30
Endosulfan I			0.133	0.124		mg/Kg		93	69 - 133	6	30
Endosulfan II			0.133	0.129		mg/Kg		96	71 - 137	8	30
Endosulfan II			0.133	0.131		mg/Kg		98	71 - 137	7	30
Endosulfan sulfate			0.133	0.118		mg/Kg		88	61 - 140	7	30
Endosulfan sulfate			0.133	0.118		mg/Kg		89	61 - 140	7	30
Endrin			0.133	0.115		mg/Kg		86	67 - 141	8	30
Endrin			0.133	0.127		mg/Kg		95	67 - 141	7	30
Endrin aldehyde			0.133	0.122		mg/Kg		91	71 - 136	7	30
Endrin aldehyde			0.133	0.122		mg/Kg		91	71 - 136	7	30
Endrin ketone			0.133	0.121		mg/Kg		91	60 - 146	7	30
Endrin ketone			0.133	0.117		mg/Kg		88	60 - 146	7	30
gamma-BHC (Lindane)			0.133	0.124		mg/Kg		93	72 - 139	8	30
gamma-BHC (Lindane)			0.133	0.126		mg/Kg		94	72 - 139	6	30
Heptachlor			0.133	0.123		mg/Kg		92	74 - 138	7	30
Heptachlor			0.133	0.129		mg/Kg		97	74 - 138	5	30
Heptachlor epoxide			0.133	0.121		mg/Kg		91	72 - 134	8	30
Heptachlor epoxide			0.133	0.124		mg/Kg		93	72 - 134	6	30
Methoxychlor			0.133	0.105		mg/Kg		79	60 - 150	8	30
Methoxychlor			0.133	0.131		mg/Kg		98	60 - 150	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*		*17 - 150*
DCB Decachlorobiphenyl	*68*		*17 - 150*
Tetrachloro-m-xylene	*88*		*21 - 150*
Tetrachloro-m-xylene	*85*		*21 - 150*

Lab Sample ID: 460-323654-B-21-D MS
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
4,4'-DDD	0.0072	U	0.143	0.149		mg/Kg	☼	104	70 - 138		

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323654-B-21-D MS
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0072	U	0.143	0.166		mg/Kg	☼	116	70 - 138
4,4'-DDE	0.0072	U	0.143	0.164		mg/Kg	☼	115	68 - 136
4,4'-DDE	0.0072	U	0.143	0.161		mg/Kg	☼	113	68 - 136
4,4'-DDT	0.0072	U	0.143	0.156		mg/Kg	☼	109	66 - 149
4,4'-DDT	0.0072	U	0.143	0.173		mg/Kg	☼	121	66 - 149
Aldrin	0.0072	U	0.143	0.153		mg/Kg	☼	107	69 - 136
Aldrin	0.0072	U	0.143	0.156		mg/Kg	☼	109	69 - 136
alpha-BHC	0.0021	U	0.143	0.164		mg/Kg	☼	115	72 - 134
alpha-BHC	0.0021	U	0.143	0.167		mg/Kg	☼	117	72 - 134
beta-BHC	0.0021	U	0.143	0.152		mg/Kg	☼	106	71 - 130
beta-BHC	0.0021	U	0.143	0.154		mg/Kg	☼	108	71 - 130
cis-Chlordane	0.0072	U	0.143	0.154		mg/Kg	☼	108	69 - 135
cis-Chlordane	0.0072	U	0.143	0.152		mg/Kg	☼	107	69 - 135
delta-BHC	0.0021	U	0.143	0.157		mg/Kg	☼	110	69 - 140
delta-BHC	0.0021	U	0.143	0.164		mg/Kg	☼	115	69 - 140
Dieldrin	0.0021	U	0.143	0.161		mg/Kg	☼	113	69 - 134
Dieldrin	0.0021	U	0.143	0.158		mg/Kg	☼	110	69 - 134
Endosulfan I	0.0072	U	0.143	0.153		mg/Kg	☼	107	69 - 133
Endosulfan I	0.0072	U	0.143	0.148		mg/Kg	☼	104	69 - 133
Endosulfan II	0.0072	U	0.143	0.170		mg/Kg	☼	119	71 - 137
Endosulfan II	0.0072	U	0.143	0.163		mg/Kg	☼	114	71 - 137
Endosulfan sulfate	0.0072	U	0.143	0.149		mg/Kg	☼	104	61 - 140
Endosulfan sulfate	0.0072	U	0.143	0.141		mg/Kg	☼	99	61 - 140
Endrin	0.0072	U	0.143	0.148		mg/Kg	☼	104	67 - 141
Endrin	0.0072	U	0.143	0.155		mg/Kg	☼	108	67 - 141
Endrin aldehyde	0.0072	U	0.143	0.164		mg/Kg	☼	114	71 - 136
Endrin aldehyde	0.0072	U	0.143	0.147		mg/Kg	☼	103	71 - 136
Endrin ketone	0.0072	U	0.143	0.143		mg/Kg	☼	100	60 - 146
Endrin ketone	0.0072	U	0.143	0.146		mg/Kg	☼	102	60 - 146
gamma-BHC (Lindane)	0.0021	U	0.143	0.160		mg/Kg	☼	112	72 - 139
gamma-BHC (Lindane)	0.0021	U	0.143	0.163		mg/Kg	☼	114	72 - 139
Heptachlor	0.0072	U	0.143	0.155		mg/Kg	☼	109	74 - 138
Heptachlor	0.0072	U	0.143	0.165		mg/Kg	☼	116	74 - 138
Heptachlor epoxide	0.0072	U	0.143	0.158		mg/Kg	☼	110	72 - 134
Heptachlor epoxide	0.0072	U	0.143	0.157		mg/Kg	☼	110	72 - 134
Methoxychlor	0.0072	U	0.143	0.140		mg/Kg	☼	98	60 - 150
Methoxychlor	0.0072	U	0.143	0.160		mg/Kg	☼	112	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*17 - 150*
DCB Decachlorobiphenyl	*87*		*17 - 150*
Tetrachloro-m-xylene	*99*		*21 - 150*
Tetrachloro-m-xylene	*96*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323654-B-21-E MSD
Matrix: Solid
Analysis Batch: 1030301

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0072	U	0.143	0.143		mg/Kg	☼	100	70 - 138	4	30
4,4'-DDD	0.0072	U	0.143	0.157		mg/Kg	☼	110	70 - 138	6	30
4,4'-DDE	0.0072	U	0.143	0.173		mg/Kg	☼	121	68 - 136	5	30
4,4'-DDE	0.0072	U	0.143	0.152		mg/Kg	☼	106	68 - 136	6	30
4,4'-DDT	0.0072	U	0.143	0.149		mg/Kg	☼	104	66 - 149	4	30
4,4'-DDT	0.0072	U	0.143	0.173		mg/Kg	☼	121	66 - 149	0	30
Aldrin	0.0072	U	0.143	0.147		mg/Kg	☼	103	69 - 136	4	30
Aldrin	0.0072	U	0.143	0.147		mg/Kg	☼	103	69 - 136	6	30
alpha-BHC	0.0021	U	0.143	0.156		mg/Kg	☼	109	72 - 134	5	30
alpha-BHC	0.0021	U	0.143	0.158		mg/Kg	☼	110	72 - 134	6	30
beta-BHC	0.0021	U	0.143	0.144		mg/Kg	☼	100	71 - 130	5	30
beta-BHC	0.0021	U	0.143	0.145		mg/Kg	☼	101	71 - 130	6	30
cis-Chlordane	0.0072	U	0.143	0.151		mg/Kg	☼	106	69 - 135	2	30
cis-Chlordane	0.0072	U	0.143	0.144		mg/Kg	☼	101	69 - 135	6	30
delta-BHC	0.0021	U	0.143	0.150		mg/Kg	☼	105	69 - 140	5	30
delta-BHC	0.0021	U	0.143	0.154		mg/Kg	☼	108	69 - 140	6	30
Dieldrin	0.0021	U	0.143	0.161		mg/Kg	☼	112	69 - 134	1	30
Dieldrin	0.0021	U	0.143	0.149		mg/Kg	☼	104	69 - 134	6	30
Endosulfan I	0.0072	U	0.143	0.152		mg/Kg	☼	106	69 - 133	0	30
Endosulfan I	0.0072	U	0.143	0.140		mg/Kg	☼	98	69 - 133	6	30
Endosulfan II	0.0072	U	0.143	0.163		mg/Kg	☼	114	71 - 137	4	30
Endosulfan II	0.0072	U	0.143	0.155		mg/Kg	☼	108	71 - 137	5	30
Endosulfan sulfate	0.0072	U	0.143	0.145		mg/Kg	☼	101	61 - 140	3	30
Endosulfan sulfate	0.0072	U	0.143	0.134		mg/Kg	☼	94	61 - 140	5	30
Endrin	0.0072	U	0.143	0.143		mg/Kg	☼	100	67 - 141	4	30
Endrin	0.0072	U	0.143	0.147		mg/Kg	☼	102	67 - 141	6	30
Endrin aldehyde	0.0072	U	0.143	0.158		mg/Kg	☼	110	71 - 136	4	30
Endrin aldehyde	0.0072	U	0.143	0.142		mg/Kg	☼	99	71 - 136	3	30
Endrin ketone	0.0072	U	0.143	0.137		mg/Kg	☼	96	60 - 146	4	30
Endrin ketone	0.0072	U	0.143	0.139		mg/Kg	☼	97	60 - 146	5	30
gamma-BHC (Lindane)	0.0021	U	0.143	0.152		mg/Kg	☼	106	72 - 139	5	30
gamma-BHC (Lindane)	0.0021	U	0.143	0.154		mg/Kg	☼	107	72 - 139	6	30
Heptachlor	0.0072	U	0.143	0.148		mg/Kg	☼	104	74 - 138	5	30
Heptachlor	0.0072	U	0.143	0.156		mg/Kg	☼	109	74 - 138	6	30
Heptachlor epoxide	0.0072	U	0.143	0.152		mg/Kg	☼	106	72 - 134	4	30
Heptachlor epoxide	0.0072	U	0.143	0.148		mg/Kg	☼	103	72 - 134	6	30
Methoxychlor	0.0072	U	0.143	0.135		mg/Kg	☼	94	60 - 150	4	30
Methoxychlor	0.0072	U	0.143	0.152		mg/Kg	☼	106	60 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*17 - 150*
DCB Decachlorobiphenyl	*81*		*17 - 150*
Tetrachloro-m-xylene	*90*		*21 - 150*
Tetrachloro-m-xylene	*86*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1030444/1-A
Matrix: Solid
Analysis Batch: 1030498

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/08/25 17:18	04/09/25 04:09	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/08/25 17:18	04/09/25 04:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*04/08/25 17:18*	*04/09/25 04:09*	*1*
DCB Decachlorobiphenyl	*96*		*17 - 150*	*04/08/25 17:18*	*04/09/25 04:09*	*1*
Tetrachloro-m-xylene	*98*		*21 - 150*	*04/08/25 17:18*	*04/09/25 04:09*	*1*
Tetrachloro-m-xylene	*97*		*21 - 150*	*04/08/25 17:18*	*04/09/25 04:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: LCS 460-1030444/2-A
Matrix: Solid
Analysis Batch: 1030498

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.135		mg/Kg		101	70 - 138
4,4'-DDD	0.133	0.141		mg/Kg		106	70 - 138
4,4'-DDE	0.133	0.149		mg/Kg		112	68 - 136
4,4'-DDE	0.133	0.141		mg/Kg		106	68 - 136
4,4'-DDT	0.133	0.178		mg/Kg		133	66 - 149
4,4'-DDT	0.133	0.145		mg/Kg		109	66 - 149
Aldrin	0.133	0.144		mg/Kg		108	69 - 136
Aldrin	0.133	0.130		mg/Kg		98	69 - 136
alpha-BHC	0.133	0.151		mg/Kg		113	72 - 134
alpha-BHC	0.133	0.137		mg/Kg		103	72 - 134
beta-BHC	0.133	0.138		mg/Kg		104	71 - 130
beta-BHC	0.133	0.131		mg/Kg		99	71 - 130
cis-Chlordane	0.133	0.151		mg/Kg		113	69 - 135
cis-Chlordane	0.133	0.135		mg/Kg		101	69 - 135
delta-BHC	0.133	0.147		mg/Kg		111	69 - 140
delta-BHC	0.133	0.134		mg/Kg		101	69 - 140
Dieldrin	0.133	0.146		mg/Kg		110	69 - 134
Dieldrin	0.133	0.137		mg/Kg		103	69 - 134
Endosulfan I	0.133	0.147		mg/Kg		110	69 - 133
Endosulfan I	0.133	0.140		mg/Kg		105	69 - 133
Endosulfan II	0.133	0.138		mg/Kg		104	71 - 137
Endosulfan II	0.133	0.147		mg/Kg		110	71 - 137
Endosulfan sulfate	0.133	0.138		mg/Kg		103	61 - 140
Endosulfan sulfate	0.133	0.129		mg/Kg		97	61 - 140
Endrin	0.133	0.152		mg/Kg		114	67 - 141
Endrin	0.133	0.138		mg/Kg		103	67 - 141
Endrin aldehyde	0.133	0.133		mg/Kg		100	71 - 136
Endrin aldehyde	0.133	0.134		mg/Kg		101	71 - 136
Endrin ketone	0.133	0.133		mg/Kg		99	60 - 146
Endrin ketone	0.133	0.131		mg/Kg		98	60 - 146
gamma-BHC (Lindane)	0.133	0.149		mg/Kg		112	72 - 139
gamma-BHC (Lindane)	0.133	0.135		mg/Kg		101	72 - 139
Heptachlor	0.133	0.149		mg/Kg		112	74 - 138
Heptachlor	0.133	0.136		mg/Kg		102	74 - 138
Heptachlor epoxide	0.133	0.147		mg/Kg		110	72 - 134
Heptachlor epoxide	0.133	0.132		mg/Kg		99	72 - 134
Methoxychlor	0.133	0.204	*	mg/Kg		153	60 - 150
Methoxychlor	0.133	0.148		mg/Kg		111	60 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*17 - 150*
DCB Decachlorobiphenyl	*91*		*17 - 150*
Tetrachloro-m-xylene	*90*		*21 - 150*
Tetrachloro-m-xylene	*93*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1030444/3-A
Matrix: Solid
Analysis Batch: 1030498

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030444

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.141		mg/Kg		106	70 - 138	5	30
4,4'-DDD			0.133	0.147		mg/Kg		110	70 - 138	4	30
4,4'-DDE			0.133	0.156		mg/Kg		117	68 - 136	5	30
4,4'-DDE			0.133	0.147		mg/Kg		110	68 - 136	4	30
4,4'-DDT			0.133	0.186		mg/Kg		140	66 - 149	4	30
4,4'-DDT			0.133	0.151		mg/Kg		113	66 - 149	4	30
Aldrin			0.133	0.149		mg/Kg		112	69 - 136	4	30
Aldrin			0.133	0.135		mg/Kg		101	69 - 136	4	30
alpha-BHC			0.133	0.157		mg/Kg		118	72 - 134	4	30
alpha-BHC			0.133	0.142		mg/Kg		107	72 - 134	4	30
beta-BHC			0.133	0.145		mg/Kg		109	71 - 130	5	30
beta-BHC			0.133	0.134		mg/Kg		100	71 - 130	2	30
cis-Chlordane			0.133	0.156		mg/Kg		117	69 - 135	4	30
cis-Chlordane			0.133	0.141		mg/Kg		106	69 - 135	4	30
delta-BHC			0.133	0.154		mg/Kg		115	69 - 140	4	30
delta-BHC			0.133	0.139		mg/Kg		104	69 - 140	3	30
Dieldrin			0.133	0.154		mg/Kg		116	69 - 134	5	30
Dieldrin			0.133	0.143		mg/Kg		107	69 - 134	4	30
Endosulfan I			0.133	0.152		mg/Kg		114	69 - 133	3	30
Endosulfan I			0.133	0.146		mg/Kg		109	69 - 133	4	30
Endosulfan II			0.133	0.144		mg/Kg		108	71 - 137	5	30
Endosulfan II			0.133	0.152		mg/Kg		114	71 - 137	4	30
Endosulfan sulfate			0.133	0.144		mg/Kg		108	61 - 140	5	30
Endosulfan sulfate			0.133	0.134		mg/Kg		101	61 - 140	4	30
Endrin			0.133	0.159		mg/Kg		119	67 - 141	5	30
Endrin			0.133	0.143		mg/Kg		107	67 - 141	4	30
Endrin aldehyde			0.133	0.139		mg/Kg		105	71 - 136	5	30
Endrin aldehyde			0.133	0.140		mg/Kg		105	71 - 136	4	30
Endrin ketone			0.133	0.139		mg/Kg		104	60 - 146	4	30
Endrin ketone			0.133	0.136		mg/Kg		102	60 - 146	4	30
gamma-BHC (Lindane)			0.133	0.155		mg/Kg		116	72 - 139	4	30
gamma-BHC (Lindane)			0.133	0.139		mg/Kg		104	72 - 139	3	30
Heptachlor			0.133	0.155		mg/Kg		116	74 - 138	4	30
Heptachlor			0.133	0.141		mg/Kg		105	74 - 138	3	30
Heptachlor epoxide			0.133	0.154		mg/Kg		115	72 - 134	4	30
Heptachlor epoxide			0.133	0.137		mg/Kg		103	72 - 134	4	30
Methoxychlor			0.133	0.214	*	mg/Kg		160	60 - 150	5	30
Methoxychlor			0.133	0.153		mg/Kg		115	60 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*17 - 150*
DCB Decachlorobiphenyl	*94*		*17 - 150*
Tetrachloro-m-xylene	*92*		*21 - 150*
Tetrachloro-m-xylene	*94*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323525-18 MS
Matrix: Solid
Analysis Batch: 1030512

Client Sample ID: 18B_4-8
Prep Type: Total/NA
Prep Batch: 1030444

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0077	U	0.154	0.192		mg/Kg	☼	125	70 - 138
4,4'-DDD	0.0077	U	0.154	0.187		mg/Kg	☼	122	70 - 138
4,4'-DDE	0.0077	U	0.154	0.196		mg/Kg	☼	127	68 - 136
4,4'-DDE	0.0077	U	0.154	0.187		mg/Kg	☼	122	68 - 136
4,4'-DDT	0.0077	U	0.154	0.163		mg/Kg	☼	106	66 - 149
4,4'-DDT	0.0077	U	0.154	0.197		mg/Kg	☼	128	66 - 149
Aldrin	0.0077	U	0.154	0.188		mg/Kg	☼	122	69 - 136
Aldrin	0.0077	U	0.154	0.188		mg/Kg	☼	122	69 - 136
alpha-BHC	0.0023	U	0.154	0.196		mg/Kg	☼	127	72 - 134
alpha-BHC	0.0023	U	0.154	0.197		mg/Kg	☼	128	72 - 134
beta-BHC	0.0023	U	0.154	0.188		mg/Kg	☼	122	71 - 130
beta-BHC	0.0023	U	0.154	0.184		mg/Kg	☼	120	71 - 130
cis-Chlordane	0.0077	U	0.154	0.197		mg/Kg	☼	128	69 - 135
cis-Chlordane	0.0077	U	0.154	0.191		mg/Kg	☼	124	69 - 135
delta-BHC	0.0023	U	0.154	0.192		mg/Kg	☼	124	69 - 140
delta-BHC	0.0023	U	0.154	0.195		mg/Kg	☼	126	69 - 140
Dieldrin	0.0023	U	0.154	0.192		mg/Kg	☼	125	69 - 134
Dieldrin	0.0023	U	0.154	0.188		mg/Kg	☼	122	69 - 134
Endosulfan I	0.0077	U	0.154	0.194		mg/Kg	☼	126	69 - 133
Endosulfan I	0.0077	U	0.154	0.189		mg/Kg	☼	123	69 - 133
Endosulfan II	0.0077	U	0.154	0.203		mg/Kg	☼	132	71 - 137
Endosulfan II	0.0077	U	0.154	0.201		mg/Kg	☼	130	71 - 137
Endosulfan sulfate	0.0077	U	0.154	0.185		mg/Kg	☼	120	61 - 140
Endosulfan sulfate	0.0077	U	0.154	0.185		mg/Kg	☼	120	61 - 140
Endrin	0.0077	U	0.154	0.175		mg/Kg	☼	114	67 - 141
Endrin	0.0077	U	0.154	0.192		mg/Kg	☼	125	67 - 141
Endrin aldehyde	0.0077	U	0.154	0.194		mg/Kg	☼	126	71 - 136
Endrin aldehyde	0.0077	U	0.154	0.191		mg/Kg	☼	124	71 - 136
Endrin ketone	0.0077	U	0.154	0.197		mg/Kg	☼	128	60 - 146
Endrin ketone	0.0077	U	0.154	0.184		mg/Kg	☼	119	60 - 146
gamma-BHC (Lindane)	0.0023	U	0.154	0.192		mg/Kg	☼	125	72 - 139
gamma-BHC (Lindane)	0.0023	U	0.154	0.194		mg/Kg	☼	126	72 - 139
Heptachlor	0.0077	U	0.154	0.188		mg/Kg	☼	122	74 - 138
Heptachlor	0.0077	U	0.154	0.197		mg/Kg	☼	128	74 - 138
Heptachlor epoxide	0.0077	U	0.154	0.190		mg/Kg	☼	124	72 - 134
Heptachlor epoxide	0.0077	U	0.154	0.190		mg/Kg	☼	123	72 - 134
Methoxychlor	0.0077	U	0.154	0.159		mg/Kg	☼	103	60 - 150
Methoxychlor	0.0077	U	0.154	0.199		mg/Kg	☼	129	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*17 - 150*
DCB Decachlorobiphenyl	*113*		*17 - 150*
Tetrachloro-m-xylene	*107*		*21 - 150*
Tetrachloro-m-xylene	*103*		*21 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323525-18 MSD
Matrix: Solid
Analysis Batch: 1030512

Client Sample ID: 18B_4-8
Prep Type: Total/NA
Prep Batch: 1030444

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0077	U	0.154	0.181		mg/Kg	☼	117	70 - 138	6	30
4,4'-DDD	0.0077	U	0.154	0.179		mg/Kg	☼	116	70 - 138	NC	30
4,4'-DDE	0.0077	U	0.154	0.185		mg/Kg	☼	120	68 - 136	5	30
4,4'-DDE	0.0077	U	0.154	0.178		mg/Kg	☼	116	68 - 136	NC	30
4,4'-DDT	0.0077	U	0.154	0.154		mg/Kg	☼	100	66 - 149	6	30
4,4'-DDT	0.0077	U	0.154	0.189		mg/Kg	☼	122	66 - 149	NC	30
Aldrin	0.0077	U	0.154	0.179		mg/Kg	☼	116	69 - 136	5	30
Aldrin	0.0077	U	0.154	0.179		mg/Kg	☼	116	69 - 136	NC	30
alpha-BHC	0.0023	U	0.154	0.188		mg/Kg	☼	122	72 - 134	4	30
alpha-BHC	0.0023	U	0.154	0.186		mg/Kg	☼	121	72 - 134	NC	30
beta-BHC	0.0023	U	0.154	0.180		mg/Kg	☼	117	71 - 130	5	30
beta-BHC	0.0023	U	0.154	0.175		mg/Kg	☼	114	71 - 130	NC	30
cis-Chlordane	0.0077	U	0.154	0.187		mg/Kg	☼	122	69 - 135	5	30
cis-Chlordane	0.0077	U	0.154	0.180		mg/Kg	☼	117	69 - 135	NC	30
delta-BHC	0.0023	U	0.154	0.183		mg/Kg	☼	119	69 - 140	5	30
delta-BHC	0.0023	U	0.154	0.184		mg/Kg	☼	120	69 - 140	NC	30
Dieldrin	0.0023	U	0.154	0.183		mg/Kg	☼	119	69 - 134	5	30
Dieldrin	0.0023	U	0.154	0.181		mg/Kg	☼	118	69 - 134	NC	30
Endosulfan I	0.0077	U	0.154	0.185		mg/Kg	☼	120	69 - 133	5	30
Endosulfan I	0.0077	U	0.154	0.182		mg/Kg	☼	118	69 - 133	NC	30
Endosulfan II	0.0077	U	0.154	0.194		mg/Kg	☼	126	71 - 137	5	30
Endosulfan II	0.0077	U	0.154	0.193		mg/Kg	☼	125	71 - 137	NC	30
Endosulfan sulfate	0.0077	U	0.154	0.175		mg/Kg	☼	114	61 - 140	6	30
Endosulfan sulfate	0.0077	U	0.154	0.175		mg/Kg	☼	114	61 - 140	NC	30
Endrin	0.0077	U	0.154	0.167		mg/Kg	☼	108	67 - 141	5	30
Endrin	0.0077	U	0.154	0.184		mg/Kg	☼	119	67 - 141	NC	30
Endrin aldehyde	0.0077	U	0.154	0.183		mg/Kg	☼	119	71 - 136	6	30
Endrin aldehyde	0.0077	U	0.154	0.182		mg/Kg	☼	118	71 - 136	NC	30
Endrin ketone	0.0077	U	0.154	0.185		mg/Kg	☼	120	60 - 146	6	30
Endrin ketone	0.0077	U	0.154	0.172		mg/Kg	☼	112	60 - 146	NC	30
gamma-BHC (Lindane)	0.0023	U	0.154	0.184		mg/Kg	☼	120	72 - 139	4	30
gamma-BHC (Lindane)	0.0023	U	0.154	0.183		mg/Kg	☼	119	72 - 139	NC	30
Heptachlor	0.0077	U	0.154	0.180		mg/Kg	☼	117	74 - 138	5	30
Heptachlor	0.0077	U	0.154	0.187		mg/Kg	☼	122	74 - 138	NC	30
Heptachlor epoxide	0.0077	U	0.154	0.182		mg/Kg	☼	118	72 - 134	5	30
Heptachlor epoxide	0.0077	U	0.154	0.181		mg/Kg	☼	118	72 - 134	NC	30
Methoxychlor	0.0077	U	0.154	0.148		mg/Kg	☼	96	60 - 150	7	30
Methoxychlor	0.0077	U	0.154	0.186		mg/Kg	☼	121	60 - 150	NC	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*101*		*17 - 150*
DCB Decachlorobiphenyl	*101*		*17 - 150*
Tetrachloro-m-xylene	*99*		*21 - 150*
Tetrachloro-m-xylene	*94*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1030238/1-A
Matrix: Solid
Analysis Batch: 1030330

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030238

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/07/25 17:03	04/08/25 08:06	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 150*	*04/07/25 17:03*	*04/08/25 08:06*	*1*
DCB Decachlorobiphenyl	*93*		*20 - 150*	*04/07/25 17:03*	*04/08/25 08:06*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*04/07/25 17:03*	*04/08/25 08:06*	*1*
Tetrachloro-m-xylene	*117*		*20 - 150*	*04/07/25 17:03*	*04/08/25 08:06*	*1*

Lab Sample ID: LCS 460-1030238/2-A
Matrix: Solid
Analysis Batch: 1030330

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030238

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.307		mg/Kg		92	54 - 136
Aroclor 1016	0.333	0.343		mg/Kg		103	54 - 136
Aroclor 1260	0.333	0.283		mg/Kg		85	53 - 145
Aroclor 1260	0.333	0.363		mg/Kg		109	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*20 - 150*
DCB Decachlorobiphenyl	*90*		*20 - 150*
Tetrachloro-m-xylene	*100*		*20 - 150*
Tetrachloro-m-xylene	*119*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1030238/3-A
Matrix: Solid
Analysis Batch: 1030330

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030238

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.313		mg/Kg		94	54 - 136	2	30
Aroclor 1016			0.333	0.342		mg/Kg		103	54 - 136	0	30
Aroclor 1260			0.333	0.292		mg/Kg		88	53 - 145	3	30
Aroclor 1260			0.333	0.349		mg/Kg		105	53 - 145	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*20 - 150*
DCB Decachlorobiphenyl	*88*		*20 - 150*
Tetrachloro-m-xylene	*102*		*20 - 150*
Tetrachloro-m-xylene	*119*		*20 - 150*

Lab Sample ID: 460-323533-A-4-A MS
Matrix: Solid
Analysis Batch: 1030330

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030238

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.081	U	0.406	0.435		mg/Kg	☼	107	54 - 136
Aroclor 1016	0.081	U	0.406	0.498		mg/Kg	☼	123	54 - 136
Aroclor 1260	0.081	U	0.406	0.397		mg/Kg	☼	98	53 - 145
Aroclor 1260	0.081	U	0.406	0.507		mg/Kg	☼	125	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*84*		*20 - 150*
DCB Decachlorobiphenyl	*99*		*20 - 150*
Tetrachloro-m-xylene	*111*		*20 - 150*
Tetrachloro-m-xylene	*133*		*20 - 150*

Lab Sample ID: 460-323533-A-4-B MSD
Matrix: Solid
Analysis Batch: 1030330

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030238

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.081	U	0.406	0.409		mg/Kg	☼	101	54 - 136	6	30
Aroclor 1016	0.081	U	0.406	0.465		mg/Kg	☼	114	54 - 136	7	30
Aroclor 1260	0.081	U	0.406	0.381		mg/Kg	☼	94	53 - 145	4	30
Aroclor 1260	0.081	U	0.406	0.467		mg/Kg	☼	115	53 - 145	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*20 - 150*
DCB Decachlorobiphenyl	*100*		*20 - 150*
Tetrachloro-m-xylene	*110*		*20 - 150*
Tetrachloro-m-xylene	*133*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1030441/1-A
Matrix: Solid
Analysis Batch: 1030504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/08/25 17:14	04/09/25 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*20 - 150*	*04/08/25 17:14*	*04/09/25 07:47*	*1*
DCB Decachlorobiphenyl	*127*		*20 - 150*	*04/08/25 17:14*	*04/09/25 07:47*	*1*
Tetrachloro-m-xylene	*115*		*20 - 150*	*04/08/25 17:14*	*04/09/25 07:47*	*1*
Tetrachloro-m-xylene	*123*		*20 - 150*	*04/08/25 17:14*	*04/09/25 07:47*	*1*

Lab Sample ID: LCS 460-1030441/2-A
Matrix: Solid
Analysis Batch: 1030504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.333	0.406		mg/Kg		122	54 - 136
Aroclor 1016	0.333	0.425		mg/Kg		127	54 - 136
Aroclor 1260	0.333	0.444		mg/Kg		133	53 - 145
Aroclor 1260	0.333	0.451		mg/Kg		135	53 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*122*		*20 - 150*
DCB Decachlorobiphenyl	*126*		*20 - 150*
Tetrachloro-m-xylene	*116*		*20 - 150*
Tetrachloro-m-xylene	*130*		*20 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1030441/3-A
Matrix: Solid
Analysis Batch: 1030504

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030441

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.388		mg/Kg		116	54 - 136	5	30
Aroclor 1016			0.333	0.398		mg/Kg		119	54 - 136	6	30
Aroclor 1260			0.333	0.415		mg/Kg		124	53 - 145	7	30
Aroclor 1260			0.333	0.426		mg/Kg		128	53 - 145	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*120*		*20 - 150*
DCB Decachlorobiphenyl	*124*		*20 - 150*
Tetrachloro-m-xylene	*112*		*20 - 150*
Tetrachloro-m-xylene	*125*		*20 - 150*

Lab Sample ID: 460-323525-18 MS
Matrix: Solid
Analysis Batch: 1030504

Client Sample ID: 18B_4-8
Prep Type: Total/NA
Prep Batch: 1030441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.077	U	0.385	0.651	*	mg/Kg	☼	169	54 - 136		
Aroclor 1016	0.077	U	0.385	0.585	*	mg/Kg	☼	152	54 - 136		
Aroclor 1260	0.077	U	0.385	0.511		mg/Kg	☼	133	53 - 145		
Aroclor 1260	0.077	U	0.385	0.626	*	mg/Kg	☼	163	53 - 145		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*158*	*	*20 - 150*
DCB Decachlorobiphenyl	*155*	*	*20 - 150*
Tetrachloro-m-xylene	*153*	*	*20 - 150*
Tetrachloro-m-xylene	*151*	*	*20 - 150*

Lab Sample ID: 460-323525-18 MSD
Matrix: Solid
Analysis Batch: 1030504

Client Sample ID: 18B_4-8
Prep Type: Total/NA
Prep Batch: 1030441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.077	U	0.385	0.575	*	mg/Kg	☼	149	54 - 136	12	30
Aroclor 1016	0.077	U	0.385	0.561	*	mg/Kg	☼	146	54 - 136	4	30
Aroclor 1260	0.077	U	0.385	0.435		mg/Kg	☼	113	53 - 145	16	30
Aroclor 1260	0.077	U	0.385	0.583	*	mg/Kg	☼	151	53 - 145	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*145*		*20 - 150*
DCB Decachlorobiphenyl	*147*		*20 - 150*
Tetrachloro-m-xylene	*138*		*20 - 150*
Tetrachloro-m-xylene	*142*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-651333/1-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 13:15	04/10/25 04:36	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651333/1-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651333

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 13:15	04/10/25 04:36	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 13:15	04/10/25 04:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C5 PFHxA	*92.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C4 PFHpA	*113*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C8 PFOA	*83.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C9 PFNA	*94.0*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C6 PFDA	*89.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C7 PFUnA	*148*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C2 PFTeDA	*83.6*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C3 PFBS	*98.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C3 PFHxS	*79.8*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C8 PFOS	*95.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C8 FOSA	*95.1*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d3-NMeFOSAA	*92.7*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d5-NEtFOSAA	*95.2*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
M2-4:2 FTS	*84.3*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
M2-6:2 FTS	*87.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
M2-8:2 FTS	*80.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C3 HFPO-DA	*101*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d7-N-MeFOSE-M	*75.4*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d9-N-EtFOSE-M	*66.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d5-NEtPFOSA	*65.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
d3-NMePFOSA	*80.9*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*
13C2-PFDoDA	*83.5*		*20 - 150*	*04/08/25 13:15*	*04/10/25 04:36*	*1*

Lab Sample ID: LCS 240-651333/3-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.133		ug/Kg		98	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	2.919		ug/Kg		93	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.663		ug/Kg		106	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.334		ug/Kg		85	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.625		ug/Kg		104	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.577		ug/Kg		101	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.716		ug/Kg		110	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651333/3-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	1.56	1.045		ug/Kg		67	40 - 150
Perfluorododecanoic acid (PFDoA)	1.56	1.728		ug/Kg		111	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.655		ug/Kg		106	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.685		ug/Kg		108	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.292		ug/Kg		93	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.651		ug/Kg		112	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.515		ug/Kg		106	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.582		ug/Kg		106	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.488		ug/Kg		102	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.438		ug/Kg		96	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.264		ug/Kg		83	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	5.953		ug/Kg		102	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	5.834		ug/Kg		98	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	5.795		ug/Kg		97	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.597		ug/Kg		102	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.457		ug/Kg		93	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.618		ug/Kg		104	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.523		ug/Kg		97	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.595		ug/Kg		102	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	15.51		ug/Kg		99	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	15.92		ug/Kg		102	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.377		ug/Kg		102	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.047		ug/Kg		102	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	2.924		ug/Kg		94	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.306		ug/Kg		106	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	5.544		ug/Kg		95	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	5.189		ug/Kg		88	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	2.919		ug/Kg		105	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651333/3-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	7.124		ug/Kg		91	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	40.27		ug/Kg		103	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	37.32		ug/Kg		96	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.464		ug/Kg		97	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.071		ug/Kg		98	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*94.7*		*20 - 150*
13C5 PFPeA	*107*		*20 - 150*
13C5 PFHxA	*93.1*		*20 - 150*
13C4 PFHpA	*114*		*20 - 150*
13C8 PFOA	*85.5*		*20 - 150*
13C9 PFNA	*93.7*		*20 - 150*
13C6 PFDA	*89.0*		*20 - 150*
13C7 PFUnA	*146*		*20 - 150*
13C2 PFTeDA	*71.5*		*20 - 150*
13C3 PFBS	*98.1*		*20 - 150*
13C3 PFHxS	*80.3*		*20 - 150*
13C8 PFOS	*93.9*		*20 - 150*
13C8 FOSA	*94.8*		*20 - 150*
d3-NMeFOSAA	*93.7*		*20 - 150*
d5-NEtFOSAA	*92.0*		*20 - 150*
M2-4:2 FTS	*87.2*		*20 - 150*
M2-6:2 FTS	*85.7*		*20 - 150*
M2-8:2 FTS	*82.9*		*20 - 150*
13C3 HFPO-DA	*101*		*20 - 150*
d7-N-MeFOSE-M	*60.8*		*20 - 150*
d9-N-EtFOSE-M	*48.4*		*20 - 150*
d5-NEtPFOSA	*67.1*		*20 - 150*
d3-NMePFOSA	*83.2*		*20 - 150*
13C2-PFDoDA	*83.4*		*20 - 150*

Lab Sample ID: LLCS 240-651333/2-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.487	J	ug/Kg		97	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.237	J	ug/Kg		95	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.131		ug/Kg		105	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.109	J	ug/Kg		87	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.130		ug/Kg		104	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.124	J	ug/Kg		99	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.137		ug/Kg		110	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651333/2-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroundecanoic acid (PFUnA)	0.125	0.0816	J	ug/Kg		65	40 - 150
Perfluorododecanoic acid (PFDoA)	0.125	0.141		ug/Kg		113	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.128	J	ug/Kg		102	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.129	J	ug/Kg		103	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.104	J	ug/Kg		94	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.130		ug/Kg		111	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.127	J	ug/Kg		111	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.121	J	ug/Kg		102	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.130		ug/Kg		112	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.117	J	ug/Kg		97	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.110	J	ug/Kg		91	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.524		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.478	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.470	J	ug/Kg		98	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.142		ug/Kg		114	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.114	J	ug/Kg		91	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.125	J	ug/Kg		100	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.133		ug/Kg		106	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.132		ug/Kg		106	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.299		ug/Kg		104	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.241	J	ug/Kg		99	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.506		ug/Kg		101	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.457	J	ug/Kg		97	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.235	J	ug/Kg		94	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.281		ug/Kg		113	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.425	J	ug/Kg		91	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.402	J	ug/Kg		85	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.238	J	ug/Kg		107	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651333/2-A
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.553	J	ug/Kg		88	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.161		ug/Kg		101	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	2.980	J	ug/Kg		95	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.116	J	ug/Kg		96	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.245	J	ug/Kg		98	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*94.1*		*20 - 150*
13C5 PFPeA	*106*		*20 - 150*
13C5 PFHxA	*90.6*		*20 - 150*
13C4 PFHpA	*114*		*20 - 150*
13C8 PFOA	*86.2*		*20 - 150*
13C9 PFNA	*91.8*		*20 - 150*
13C6 PFDA	*92.6*		*20 - 150*
13C7 PFUnA	*154*	*	*20 - 150*
13C2 PFTeDA	*87.3*		*20 - 150*
13C3 PFBS	*97.9*		*20 - 150*
13C3 PFHxS	*78.9*		*20 - 150*
13C8 PFOS	*96.2*		*20 - 150*
13C8 FOSA	*98.0*		*20 - 150*
d3-NMeFOSAA	*98.6*		*20 - 150*
d5-NEtFOSAA	*99.1*		*20 - 150*
M2-4:2 FTS	*80.3*		*20 - 150*
M2-6:2 FTS	*83.4*		*20 - 150*
M2-8:2 FTS	*84.6*		*20 - 150*
13C3 HFPO-DA	*107*		*20 - 150*
d7-N-MeFOSE-M	*76.0*		*20 - 150*
d9-N-EtFOSE-M	*68.4*		*20 - 150*
d5-NEtPFOSA	*71.6*		*20 - 150*
d3-NMePFOSA	*88.1*		*20 - 150*
13C2-PFDoDA	*84.7*		*20 - 150*

Lab Sample ID: 460-323525-4 DU
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: 13B_5-10
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.051	J	0.0479	J	ug/Kg	☼	6	30
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanoic acid (PFOA)	0.086	J	0.0865	J	ug/Kg	☼	0.1	30
Perfluorononanoic acid (PFNA)	0.34		0.338		ug/Kg	☼	1	30
Perfluorodecanoic acid (PFDA)	0.42		0.504		ug/Kg	☼	19	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-4 DU
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: 13B_5-10
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.96		0.969		ug/Kg	☼	0.8	30
Perfluorododecanoic acid (PFDoA)	0.31		0.351		ug/Kg	☼	13	30
Perfluorotridecanoic acid (PFTrDA)	1.13		1.042		ug/Kg	☼	8	30
Perfluorotetradecanoic acid (PFTeDA)	0.060	J	0.0668	J	ug/Kg	☼	11	30
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.066	J	0.0381	J	ug/Kg	☼	53	30
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.300	J	ug/Kg	☼	26	30
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.42	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.42	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-4 DU
Matrix: Solid
Analysis Batch: 651526

Client Sample ID: 13B_5-10
Prep Type: Total/NA
Prep Batch: 651333

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U		0.71	U	ug/Kg	☼			NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.52	U		3.56	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.52	U		3.56	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.14	U		0.14	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U		0.28	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*92.9*		*20 - 150*
13C5 PFPeA	*103*		*20 - 150*
13C5 PFHxA	*88.0*		*20 - 150*
13C4 PFHpA	*109*		*20 - 150*
13C8 PFOA	*83.6*		*20 - 150*
13C9 PFNA	*94.2*		*20 - 150*
13C6 PFDA	*93.5*		*20 - 150*
13C7 PFUnA	*153*	*	*20 - 150*
13C2 PFTeDA	*93.7*		*20 - 150*
13C3 PFBS	*92.8*		*20 - 150*
13C3 PFHxS	*76.2*		*20 - 150*
13C8 PFOS	*95.3*		*20 - 150*
13C8 FOSA	*93.6*		*20 - 150*
d3-NMeFOSAA	*99.9*		*20 - 150*
d5-NEtFOSAA	*103*		*20 - 150*
M2-4:2 FTS	*93.9*		*20 - 150*
M2-6:2 FTS	*105*		*20 - 150*
M2-8:2 FTS	*87.5*		*20 - 150*
13C3 HFPO-DA	*98.7*		*20 - 150*
d7-N-MeFOSE-M	*69.7*		*20 - 150*
d9-N-EtFOSE-M	*62.2*		*20 - 150*
d5-NEtPFOSA	*77.3*		*20 - 150*
d3-NMePFOSA	*88.4*		*20 - 150*
13C2-PFDoDA	*88.7*		*20 - 150*

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C5 PFHxA	*95.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C4 PFHpA	*117*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 PFOA	*84.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C9 PFNA	*88.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C6 PFDA	*89.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C7 PFUnA	*150*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C2 PFTeDA	*86.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 PFBS	*92.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 PFHxS	*76.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 PFOS	*92.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 FOSA	*94.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d3-NMeFOSAA	*98.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d5-NEtFOSAA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-4:2 FTS	*86.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-6:2 FTS	*84.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-8:2 FTS	*81.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 HFPO-DA	*100*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d7-N-MeFOSE-M	*66.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d9-N-EtFOSE-M	*61.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d5-NEtPFOSA	*74.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d3-NMePFOSA	*90.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C2-PFDoDA	*88.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.463		ug/Kg		103	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.195		ug/Kg		102	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.665		ug/Kg		107	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.403		ug/Kg		90	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.745		ug/Kg		112	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.622		ug/Kg		104	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.874		ug/Kg		120	40 - 150
Perfluoroundecanoic acid (PFUnA)	1.56	1.064		ug/Kg		68	40 - 150
Perfluorododecanoic acid (PFDoA)	1.56	1.789		ug/Kg		115	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.765		ug/Kg		113	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.756		ug/Kg		112	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	1.39	1.308		ug/Kg		94	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.727		ug/Kg		118	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.621		ug/Kg		114	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.604		ug/Kg		108	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.517		ug/Kg		104	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.511		ug/Kg		101	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.480		ug/Kg		98	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.583		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	6.054		ug/Kg		102	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.762		ug/Kg		113	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.610		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.554		ug/Kg		99	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.734		ug/Kg		111	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.599		ug/Kg		102	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.561		ug/Kg		100	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	16.06		ug/Kg		103	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	16.35		ug/Kg		105	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.428		ug/Kg		103	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.192		ug/Kg		105	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.243		ug/Kg		104	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.489		ug/Kg		112	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	5.581		ug/Kg		96	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	5.442		ug/Kg		92	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	2.965		ug/Kg		106	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	8.248		ug/Kg		106	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	41.49		ug/Kg		106	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	39.70		ug/Kg		102	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.533		ug/Kg		102	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			3.13	3.595		ug/Kg		115	40 - 150		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*69.2*		*20 - 150*
13C5 PFPeA	*71.3*		*20 - 150*
13C5 PFHxA	*64.0*		*20 - 150*
13C4 PFHpA	*77.4*		*20 - 150*
13C8 PFOA	*57.1*		*20 - 150*
13C9 PFNA	*61.5*		*20 - 150*
13C6 PFDA	*58.5*		*20 - 150*
13C7 PFUnA	*98.3*		*20 - 150*
13C2 PFTeDA	*56.2*		*20 - 150*
13C3 PFBS	*64.1*		*20 - 150*
13C3 PFHxS	*51.3*		*20 - 150*
13C8 PFOS	*59.0*		*20 - 150*
13C8 FOSA	*61.9*		*20 - 150*
d3-NMeFOSAA	*62.9*		*20 - 150*
d5-NEtFOSAA	*61.8*		*20 - 150*
M2-4:2 FTS	*57.2*		*20 - 150*
M2-6:2 FTS	*59.8*		*20 - 150*
M2-8:2 FTS	*52.2*		*20 - 150*
13C3 HFPO-DA	*70.6*		*20 - 150*
d7-N-MeFOSE-M	*47.0*		*20 - 150*
d9-N-EtFOSE-M	*45.9*		*20 - 150*
d5-NEtPFOSA	*48.9*		*20 - 150*
d3-NMePFOSA	*60.2*		*20 - 150*
13C2-PFDoDA	*59.0*		*20 - 150*

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluorobutanoic acid (PFBA)			0.500	0.526		ug/Kg		105	40 - 150		
Perfluoropentanoic acid (PFPeA)			0.250	0.256		ug/Kg		103	40 - 150		
Perfluorohexanoic acid (PFHxA)			0.125	0.141		ug/Kg		113	40 - 150		
Perfluoroheptanoic acid (PFHpA)			0.125	0.111	J	ug/Kg		89	40 - 150		
Perfluorooctanoic acid (PFOA)			0.125	0.141		ug/Kg		113	40 - 150		
Perfluorononanoic acid (PFNA)			0.125	0.141		ug/Kg		113	40 - 150		
Perfluorodecanoic acid (PFDA)			0.125	0.150		ug/Kg		120	40 - 150		
Perfluoroundecanoic acid (PFUnA)			0.125	0.0822	J	ug/Kg		66	40 - 150		
Perfluorododecanoic acid (PFDoA)			0.125	0.143		ug/Kg		114	40 - 150		
Perfluorotridecanoic acid (PFTrDA)			0.125	0.137		ug/Kg		110	40 - 150		
Perfluorotetradecanoic acid (PFTeDA)			0.125	0.141		ug/Kg		112	40 - 150		

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanesulfonic acid (PFBS)	0.111	0.103	J	ug/Kg		92	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.138		ug/Kg		118	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.139		ug/Kg		122	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.133		ug/Kg		112	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.134		ug/Kg		115	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.113	J	ug/Kg		94	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.113	J	ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.473	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.532		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.499	J	ug/Kg		104	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.127	J	ug/Kg		102	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.111	J	ug/Kg		89	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.141		ug/Kg		113	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.148		ug/Kg		119	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.134		ug/Kg		107	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.330		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.374		ug/Kg		110	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.484	J	ug/Kg		97	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.499	J	ug/Kg		105	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.243	J	ug/Kg		97	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.290		ug/Kg		116	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.459	J	ug/Kg		98	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.430	J	ug/Kg		91	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.245	J	ug/Kg		110	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.624	J	ug/Kg		100	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.273		ug/Kg		105	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	3.379		ug/Kg		108	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.115	J	ug/Kg		96	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte			Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits		
Perfluoro-3-methoxypropanoic acid (PFMPA)			0.250	0.267		ug/Kg		107	40 - 150		

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*77.4*		*20 - 150*
13C5 PFPeA	*90.1*		*20 - 150*
13C5 PFHxA	*81.1*		*20 - 150*
13C4 PFHpA	*102*		*20 - 150*
13C8 PFOA	*69.4*		*20 - 150*
13C9 PFNA	*74.2*		*20 - 150*
13C6 PFDA	*73.2*		*20 - 150*
13C7 PFUnA	*118*		*20 - 150*
13C2 PFTeDA	*62.5*		*20 - 150*
13C3 PFBS	*77.3*		*20 - 150*
13C3 PFHxS	*64.3*		*20 - 150*
13C8 PFOS	*74.0*		*20 - 150*
13C8 FOSA	*76.9*		*20 - 150*
d3-NMeFOSAA	*75.9*		*20 - 150*
d5-NEtFOSAA	*73.4*		*20 - 150*
M2-4:2 FTS	*71.8*		*20 - 150*
M2-6:2 FTS	*72.9*		*20 - 150*
M2-8:2 FTS	*68.7*		*20 - 150*
13C3 HFPO-DA	*89.7*		*20 - 150*
d7-N-MeFOSE-M	*50.3*		*20 - 150*
d9-N-EtFOSE-M	*46.7*		*20 - 150*
d5-NEtPFOSA	*58.5*		*20 - 150*
d3-NMePFOSA	*73.9*		*20 - 150*
13C2-PFDoDA	*68.3*		*20 - 150*

Lab Sample ID: 460-323525-22 DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: 18D_5-10
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.56	U		0.57	U	ug/Kg	☼			NC	30
Perfluoropentanoic acid (PFPeA)	0.28	U		0.28	U	ug/Kg	☼			NC	30
Perfluorohexanoic acid (PFHxA)	0.049	J		0.0476	J	ug/Kg	☼			4	30
Perfluoroheptanoic acid (PFHpA)	0.046	J		0.0479	J	ug/Kg	☼			4	30
Perfluorooctanoic acid (PFOA)	0.092	J		0.129	J	ug/Kg	☼			34	30
Perfluorononanoic acid (PFNA)	0.30			0.402		ug/Kg	☼			30	30
Perfluorodecanoic acid (PFDA)	0.18			0.196		ug/Kg	☼			8	30
Perfluoroundecanoic acid (PFUnA)	1.83			1.929		ug/Kg	☼			5	30
Perfluorododecanoic acid (PFDoA)	0.18			0.183		ug/Kg	☼			0.5	30
Perfluorotridecanoic acid (PFTrDA)	1.67			1.691		ug/Kg	☼			1	30
Perfluorotetradecanoic acid (PFTeDA)	0.052	J		0.0529	J	ug/Kg	☼			1	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-22 DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: 18D_5-10
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.057	J	0.0575	J	ug/Kg	☼	0.8	30
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.42	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.42	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.71	U	ug/Kg	☼	NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.56	U	ug/Kg	☼	NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.56	U	ug/Kg	☼	NC	30
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-22 DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: 18D_5-10
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U		0.28	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*96.6*		*20 - 150*
13C5 PFPeA	*107*		*20 - 150*
13C5 PFHxA	*98.5*		*20 - 150*
13C4 PFHpA	*116*		*20 - 150*
13C8 PFOA	*92.3*		*20 - 150*
13C9 PFNA	*94.0*		*20 - 150*
13C6 PFDA	*92.8*		*20 - 150*
13C7 PFUnA	*164*	*	*20 - 150*
13C2 PFTeDA	*89.4*		*20 - 150*
13C3 PFBS	*96.4*		*20 - 150*
13C3 PFHxS	*78.1*		*20 - 150*
13C8 PFOS	*93.4*		*20 - 150*
13C8 FOSA	*103*		*20 - 150*
d3-NMeFOSAA	*103*		*20 - 150*
d5-NEtFOSAA	*105*		*20 - 150*
M2-4:2 FTS	*88.6*		*20 - 150*
M2-6:2 FTS	*99.6*		*20 - 150*
M2-8:2 FTS	*85.6*		*20 - 150*
13C3 HFPO-DA	*108*		*20 - 150*
d7-N-MeFOSE-M	*81.4*		*20 - 150*
d9-N-EtFOSE-M	*72.4*		*20 - 150*
d5-NEtPFOSA	*79.5*		*20 - 150*
d3-NMePFOSA	*95.5*		*20 - 150*
13C2-PFDoDA	*92.3*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1031004/1-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Calcium	100	U	100	40.7	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Magnesium	100	U	100	10.2	mg/Kg		04/11/25 07:07	04/11/25 15:21	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1031004/1-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	4.0	U	4.0	0.40	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Potassium	100	U	100	16.2	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Sodium	100	U	100	45.7	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/11/25 07:07	04/11/25 15:21	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/11/25 07:07	04/11/25 15:21	1

Lab Sample ID: LCSSRM 460-1031004/2-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	6326		mg/Kg		92.5	53.2 - 146.2
Antimony	131	109.1		mg/Kg		83.3	4.5 - 195.4
Arsenic	192	178.8		mg/Kg		93.1	81.3 - 118.8
Barium	219	203.7		mg/Kg		93.0	81.7 - 118.3
Beryllium	146	148.8		mg/Kg		101.9	82.2 - 117.8
Cadmium	114	110.5		mg/Kg		97.0	81.7 - 118.4
Calcium	4080	3905		mg/Kg		95.7	82.4 - 117.6
Chromium	153	149.8		mg/Kg		97.9	81.0 - 119.0
Cobalt	231	229.3		mg/Kg		99.3	83.1 - 117.3
Copper	91.2	87.78		mg/Kg		96.3	83.1 - 117.3
Iron	7020	6347		mg/Kg		90.4	60.7 - 139.2
Lead	141	127.3		mg/Kg		90.3	81.6 - 118.4
Magnesium	1900	1786		mg/Kg		94.0	76.3 - 123.7
Manganese	401	375.5		mg/Kg		93.6	80.8 - 119.0
Nickel	143	145.1		mg/Kg		101.5	81.8 - 118.9
Potassium	1760	1635		mg/Kg		92.9	72.2 - 127.8
Selenium	94.7	88.16		mg/Kg		93.1	78.5 - 121.4
Silver	77.0	72.12		mg/Kg		93.7	79.4 - 120.6
Sodium	661	676.2		mg/Kg		102.3	73.7 - 126.2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1031004/2-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Thallium	183	206.4		mg/Kg		112.8	80.3 - 119.7
Vanadium	159	152.0		mg/Kg		95.6	78.6 - 122.0
Zinc	292	281.0		mg/Kg		96.2	79.8 - 120.2

Lab Sample ID: 460-323525-5 MS
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 13C_0-4
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7140		558	8767	4	mg/Kg	☼	292	75 - 125
Antimony	0.85	J	5.58	3.54	N	mg/Kg	☼	48	75 - 125
Arsenic	5.5		11.2	14.23		mg/Kg	☼	78	75 - 125
Barium	61.0		11.2	78.43	4	mg/Kg	☼	156	75 - 125
Beryllium	0.83		5.58	5.39		mg/Kg	☼	82	75 - 125
Cadmium	0.22	J	5.58	4.64		mg/Kg	☼	79	75 - 125
Calcium	1980		558	2715	N	mg/Kg	☼	132	75 - 125
Chromium	25.3		11.2	36.96		mg/Kg	☼	105	75 - 125
Cobalt	7.6		5.58	12.29		mg/Kg	☼	84	75 - 125
Copper	62.2		11.2	72.23	4	mg/Kg	☼	90	75 - 125
Iron	18700		558	19960	4	mg/Kg	☼	226	75 - 125
Lead	415		5.58	964.6	4	mg/Kg	☼	9859	75 - 125
Magnesium	1770		558	2497	N	mg/Kg	☼	130	75 - 125
Manganese	144		55.8	197.9		mg/Kg	☼	96	75 - 125
Nickel	24.0		11.2	37.32		mg/Kg	☼	119	75 - 125
Potassium	1030		558	1630		mg/Kg	☼	107	75 - 125
Selenium	0.35	J	11.2	8.71		mg/Kg	☼	75	75 - 125
Silver	0.18	J	5.58	4.65		mg/Kg	☼	80	75 - 125
Sodium	118		558	590.6		mg/Kg	☼	85	75 - 125
Thallium	0.073	J	4.46	3.69		mg/Kg	☼	81	75 - 125
Vanadium	21.6		11.2	30.79		mg/Kg	☼	82	75 - 125
Zinc	172		55.8	254.3	N	mg/Kg	☼	148	75 - 125

Lab Sample ID: 460-323525-5 DU
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 13C_0-4
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7140		7038		mg/Kg	☼	1	20
Antimony	0.85	J	0.869	J	mg/Kg	☼	2	20
Arsenic	5.5		5.54		mg/Kg	☼	0.2	20
Barium	61.0		62.31		mg/Kg	☼	2	20
Beryllium	0.83		1.25		mg/Kg	☼	40	20
Cadmium	0.22	J	0.256	J	mg/Kg	☼	13	20
Calcium	1980		1997		mg/Kg	☼	0.8	20
Chromium	25.3		24.46		mg/Kg	☼	3	20
Cobalt	7.6		7.11		mg/Kg	☼	7	20
Copper	62.2		58.36		mg/Kg	☼	6	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323525-5 DU
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 13C_0-4
Prep Type: Total/NA
Prep Batch: 1031004

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	18700		18450		mg/Kg	☼	1	20
Lead	415		387.5		mg/Kg	☼	7	20
Magnesium	1770		1866		mg/Kg	☼	5	20
Manganese	144		151.9		mg/Kg	☼	5	20
Nickel	24.0		20.53		mg/Kg	☼	16	20
Potassium	1030		1034		mg/Kg	☼	0.1	20
Selenium	0.35	J	0.306	J	mg/Kg	☼	13	20
Silver	0.18	J	0.180	J	mg/Kg	☼	1	20
Sodium	118		130.1		mg/Kg	☼	10	20
Thallium	0.073	J	0.0725	J	mg/Kg	☼	1	20
Vanadium	21.6		20.53		mg/Kg	☼	5	20
Zinc	172		180.9		mg/Kg	☼	5	20

Lab Sample ID: MB 460-1031012/1-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Calcium	100	U	100	40.7	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Magnesium	100	U	100	10.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Manganese	4.0	U	4.0	0.40	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Potassium	100	U	100	16.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Sodium	100	U	100	45.7	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/11/25 08:00	04/11/25 18:47	1

Lab Sample ID: LCSSRM 460-1031012/2-A ^3
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	6851		mg/Kg		100.2	53.2 - 146.2
Antimony	131	107.2		mg/Kg		81.9	4.5 - 195.4

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1031012/2-A ^3
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	192	175.4		mg/Kg		91.4	81.3 - 118.8
Barium	219	190.2		mg/Kg		86.9	81.7 - 118.3
Beryllium	146	142.2		mg/Kg		97.4	82.2 - 117.8
Cadmium	114	106.0		mg/Kg		93.0	81.7 - 118.4
Calcium	4080	3937		mg/Kg		96.5	82.4 - 117.6
Chromium	153	144.0		mg/Kg		94.1	81.0 - 119.0
Cobalt	231	218.1		mg/Kg		94.4	83.1 - 117.3
Copper	91.2	84.38		mg/Kg		92.5	83.1 - 117.3
Iron	7020	6783		mg/Kg		96.6	60.7 - 139.2
Lead	141	127.8		mg/Kg		90.6	81.6 - 118.4
Magnesium	1900	1835		mg/Kg		96.6	76.3 - 123.7
Manganese	401	368.6		mg/Kg		91.9	80.8 - 119.0
Nickel	143	136.0		mg/Kg		95.1	81.8 - 118.9
Potassium	1760	1723		mg/Kg		97.9	72.2 - 127.8
Selenium	94.7	88.28		mg/Kg		93.2	78.5 - 121.4
Silver	77.0	72.28		mg/Kg		93.9	79.4 - 120.6
Sodium	661	645.3		mg/Kg		97.6	73.7 - 126.2
Thallium	183	201.2		mg/Kg		110.0	80.3 - 119.7
Vanadium	159	146.5		mg/Kg		92.1	78.6 - 122.0
Zinc	292	276.4		mg/Kg		94.6	79.8 - 120.2

Lab Sample ID: 460-323536-A-1-G MS
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7450		551	6774	4	mg/Kg	☼	-123	75 - 125
Antimony	1.9		5.51	4.45	N	mg/Kg	☼	46	75 - 125
Arsenic	9.9		11.0	18.58		mg/Kg	☼	79	75 - 125
Barium	61.3		11.0	47.84	4	mg/Kg	☼	-122	75 - 125
Beryllium	0.80		5.51	5.09		mg/Kg	☼	78	75 - 125
Cadmium	0.40	J	5.51	4.60		mg/Kg	☼	76	75 - 125
Calcium	6110		551	5032	4	mg/Kg	☼	-196	75 - 125
Chromium	23.0		11.0	24.99	N	mg/Kg	☼	18	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323536-A-1-G MS
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cobalt	7.3		5.51	8.98	N	mg/Kg	☼	30	75 - 125
Copper	78.3		11.0	67.93	4	mg/Kg	☼	-94	75 - 125
Iron	19300		551	16100	4	mg/Kg	☼	-586	75 - 125
Lead	207		5.51	147.2	4	mg/Kg	☼	-1084	75 - 125
Magnesium	4270		551	3754	4	mg/Kg	☼	-94	75 - 125
Manganese	110		55.1	129.6	N	mg/Kg	☼	35	75 - 125
Nickel	26.5		11.0	26.13	N	mg/Kg	☼	-4	75 - 125
Potassium	1230		551	1695		mg/Kg	☼	85	75 - 125
Selenium	0.35	J	11.0	8.90		mg/Kg	☼	78	75 - 125
Silver	0.38	J	5.51	4.79		mg/Kg	☼	80	75 - 125
Sodium	105	J	551	510.1	N	mg/Kg	☼	74	75 - 125
Thallium	0.083	J	4.41	3.59		mg/Kg	☼	80	75 - 125
Vanadium	25.6		11.0	31.00	N	mg/Kg	☼	49	75 - 125
Zinc	364		55.1	229.2	4	mg/Kg	☼	-244	75 - 125

Lab Sample ID: 460-323536-A-1-F DU
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7450		6433		mg/Kg	☼	15	20
Antimony	1.9		2.00		mg/Kg	☼	3	20
Arsenic	9.9		9.80		mg/Kg	☼	1	20
Barium	61.3		52.85		mg/Kg	☼	15	20
Beryllium	0.80		0.625		mg/Kg	☼	24	20
Cadmium	0.40	J	0.414	J	mg/Kg	☼	3	20
Calcium	6110		5519		mg/Kg	☼	10	20
Chromium	23.0		19.78		mg/Kg	☼	15	20
Cobalt	7.3		4.97	*	mg/Kg	☼	38	20
Copper	78.3		60.86	*	mg/Kg	☼	25	20
Iron	19300		19550		mg/Kg	☼	1	20
Lead	207		162.2	*	mg/Kg	☼	24	20
Magnesium	4270		3716		mg/Kg	☼	14	20
Manganese	110		105.5		mg/Kg	☼	5	20
Nickel	26.5		17.84	*	mg/Kg	☼	39	20
Potassium	1230		1144		mg/Kg	☼	7	20
Selenium	0.35	J	0.345	J	mg/Kg	☼	1	20
Silver	0.38	J	0.332	J	mg/Kg	☼	13	20
Sodium	105	J	93.93	J	mg/Kg	☼	11	20
Thallium	0.083	J	0.0847	J	mg/Kg	☼	2	20
Vanadium	25.6		23.31		mg/Kg	☼	10	20
Zinc	364		204.3	*	mg/Kg	☼	56	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1030734/10-A
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030734

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/10/25 00:47	04/10/25 04:09	1

Lab Sample ID: LCSSRM 460-1030734/11-A ^40
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030734

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.94		mg/Kg		98.8	69.6 - 130.5

Lab Sample ID: 460-323515-E-2-O MS
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.031		0.0908	0.130		mg/Kg	☼	108	80 - 120

Lab Sample ID: 460-323515-E-2-N DU
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1030734

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.031		0.0312		mg/Kg	☼	0.3	20

Lab Sample ID: MB 460-1030735/1-A
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/10/25 01:10	04/10/25 05:01	1

Lab Sample ID: LCSSRM 460-1030735/2-A ^40
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.86		mg/Kg		98.3	69.6 - 130.5

Lab Sample ID: 460-323525-6 MS
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: 13C_4-8
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.017	J	0.0926	0.110		mg/Kg	☼	101	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-323525-6 DU
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: 13C_4-8
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.017	J		0.0186	J	mg/Kg	☼			10	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323525-13 DU
Matrix: Solid
Analysis Batch: 1030354

Client Sample ID: 17B_0-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	8.6			9.1		%				5	20
Percent Solids	91.4			90.9		%				0.5	20

Lab Sample ID: 460-323525-22 DU
Matrix: Solid
Analysis Batch: 1030354

Client Sample ID: 18D_5-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	11.3			11.0		%				3	20
Percent Solids	88.7			89.0		%				0.3	20

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Prep Batch: 1030379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	3546	
460-323525-2	13A_5-10	Total/NA	Solid	3546	
460-323525-3	13B_0-5	Total/NA	Solid	3546	
460-323525-4	13B_5-10	Total/NA	Solid	3546	
460-323525-5	13C_0-4	Total/NA	Solid	3546	
460-323525-6	13C_4-8	Total/NA	Solid	3546	
460-323525-7	15A_0-4	Total/NA	Solid	3546	
460-323525-8	15A_4-8	Total/NA	Solid	3546	
460-323525-9	15B_0-4	Total/NA	Solid	3546	
460-323525-10	15B_4-8	Total/NA	Solid	3546	
460-323525-11	17A_0-4	Total/NA	Solid	3546	
460-323525-12	17A_4-8	Total/NA	Solid	3546	
460-323525-13	17B_0-4	Total/NA	Solid	3546	
460-323525-14	17B_4-8	Total/NA	Solid	3546	
460-323525-15	18A_0-5	Total/NA	Solid	3546	
460-323525-16	18A_5-10	Total/NA	Solid	3546	
460-323525-17	18B_0-4	Total/NA	Solid	3546	
460-323525-18	18B_4-8	Total/NA	Solid	3546	
460-323525-19	18C_0-5	Total/NA	Solid	3546	
460-323525-20	18C_5-10	Total/NA	Solid	3546	
MB 460-1030379/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030379/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030379/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323525-1 MS	13A_0-5	Total/NA	Solid	3546	
460-323525-1 MSD	13A_0-5	Total/NA	Solid	3546	

Prep Batch: 1030380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-21	18D_0-5	Total/NA	Solid	3546	
460-323525-22	18D_5-10	Total/NA	Solid	3546	
MB 460-1030380/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030380/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030380/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323220-A-2-B MS	Matrix Spike	Total/NA	Solid	3546	
460-323220-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1030449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-21	18D_0-5	Total/NA	Solid	8270E	1030380
460-323525-22	18D_5-10	Total/NA	Solid	8270E	1030380
MB 460-1030380/1-A	Method Blank	Total/NA	Solid	8270E	1030380
LCS 460-1030380/2-A	Lab Control Sample	Total/NA	Solid	8270E	1030380
LCSD 460-1030380/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1030380
460-323220-A-2-B MS	Matrix Spike	Total/NA	Solid	8270E	1030380

Analysis Batch: 1030459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	8270E	1030379
460-323525-2	13A_5-10	Total/NA	Solid	8270E	1030379
460-323525-3	13B_0-5	Total/NA	Solid	8270E	1030379
460-323525-4	13B_5-10	Total/NA	Solid	8270E	1030379

GC/MS Semi VOA (Continued)

Analysis Batch: 1030459 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-5	13C_0-4	Total/NA	Solid	8270E	1030379
460-323525-6	13C_4-8	Total/NA	Solid	8270E	1030379
460-323525-7	15A_0-4	Total/NA	Solid	8270E	1030379
460-323525-8	15A_4-8	Total/NA	Solid	8270E	1030379
460-323525-9	15B_0-4	Total/NA	Solid	8270E	1030379
460-323525-10	15B_4-8	Total/NA	Solid	8270E	1030379
460-323525-11	17A_0-4	Total/NA	Solid	8270E	1030379
460-323525-12	17A_4-8	Total/NA	Solid	8270E	1030379
460-323525-13	17B_0-4	Total/NA	Solid	8270E	1030379
460-323525-14	17B_4-8	Total/NA	Solid	8270E	1030379
460-323525-15	18A_0-5	Total/NA	Solid	8270E	1030379
460-323525-16	18A_5-10	Total/NA	Solid	8270E	1030379
460-323525-17	18B_0-4	Total/NA	Solid	8270E	1030379
460-323525-18	18B_4-8	Total/NA	Solid	8270E	1030379
460-323525-19	18C_0-5	Total/NA	Solid	8270E	1030379
460-323525-20	18C_5-10	Total/NA	Solid	8270E	1030379
MB 460-1030379/1-A	Method Blank	Total/NA	Solid	8270E	1030379
LCS 460-1030379/2-A	Lab Control Sample	Total/NA	Solid	8270E	1030379
LCSD 460-1030379/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1030379
460-323525-1 MS	13A_0-5	Total/NA	Solid	8270E	1030379
460-323525-1 MSD	13A_0-5	Total/NA	Solid	8270E	1030379

Analysis Batch: 1030755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323220-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1030380

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Prep Batch: 1030238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	3546	
460-323525-2	13A_5-10	Total/NA	Solid	3546	
460-323525-3	13B_0-5	Total/NA	Solid	3546	
460-323525-4	13B_5-10	Total/NA	Solid	3546	
460-323525-5	13C_0-4	Total/NA	Solid	3546	
460-323525-6	13C_4-8	Total/NA	Solid	3546	
460-323525-7	15A_0-4	Total/NA	Solid	3546	
460-323525-8	15A_4-8	Total/NA	Solid	3546	
460-323525-9	15B_0-4	Total/NA	Solid	3546	
460-323525-10	15B_4-8	Total/NA	Solid	3546	
460-323525-11	17A_0-4	Total/NA	Solid	3546	
460-323525-12	17A_4-8	Total/NA	Solid	3546	
460-323525-13	17B_0-4	Total/NA	Solid	3546	
460-323525-14	17B_4-8	Total/NA	Solid	3546	
460-323525-15	18A_0-5	Total/NA	Solid	3546	
460-323525-16	18A_5-10	Total/NA	Solid	3546	
460-323525-17	18B_0-4	Total/NA	Solid	3546	
MB 460-1030238/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030238/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030238/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323533-A-4-A MS	Matrix Spike	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1030238 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323533-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 1030240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	3546	
460-323525-2	13A_5-10	Total/NA	Solid	3546	
460-323525-3	13B_0-5	Total/NA	Solid	3546	
460-323525-4	13B_5-10	Total/NA	Solid	3546	
460-323525-5	13C_0-4	Total/NA	Solid	3546	
460-323525-6	13C_4-8	Total/NA	Solid	3546	
460-323525-7	15A_0-4	Total/NA	Solid	3546	
460-323525-8	15A_4-8	Total/NA	Solid	3546	
460-323525-9	15B_0-4	Total/NA	Solid	3546	
460-323525-10	15B_4-8	Total/NA	Solid	3546	
460-323525-11	17A_0-4	Total/NA	Solid	3546	
460-323525-12	17A_4-8	Total/NA	Solid	3546	
460-323525-13	17B_0-4	Total/NA	Solid	3546	
460-323525-14	17B_4-8	Total/NA	Solid	3546	
460-323525-15	18A_0-5	Total/NA	Solid	3546	
460-323525-16	18A_5-10	Total/NA	Solid	3546	
460-323525-17	18B_0-4	Total/NA	Solid	3546	
MB 460-1030240/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030240/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030240/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323654-B-21-D MS	Matrix Spike	Total/NA	Solid	3546	
460-323654-B-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1030295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-10	15B_4-8	Total/NA	Solid	8081B	1030240
460-323525-11	17A_0-4	Total/NA	Solid	8081B	1030240
460-323525-12	17A_4-8	Total/NA	Solid	8081B	1030240
460-323525-13	17B_0-4	Total/NA	Solid	8081B	1030240
460-323525-14	17B_4-8	Total/NA	Solid	8081B	1030240
460-323525-15	18A_0-5	Total/NA	Solid	8081B	1030240
460-323525-16	18A_5-10	Total/NA	Solid	8081B	1030240
460-323525-17	18B_0-4	Total/NA	Solid	8081B	1030240

Analysis Batch: 1030301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	8081B	1030240
460-323525-2	13A_5-10	Total/NA	Solid	8081B	1030240
460-323525-3	13B_0-5	Total/NA	Solid	8081B	1030240
460-323525-4	13B_5-10	Total/NA	Solid	8081B	1030240
460-323525-5	13C_0-4	Total/NA	Solid	8081B	1030240
460-323525-6	13C_4-8	Total/NA	Solid	8081B	1030240
460-323525-7	15A_0-4	Total/NA	Solid	8081B	1030240
460-323525-8	15A_4-8	Total/NA	Solid	8081B	1030240
460-323525-9	15B_0-4	Total/NA	Solid	8081B	1030240
MB 460-1030240/1-A	Method Blank	Total/NA	Solid	8081B	1030240
LCS 460-1030240/2-A	Lab Control Sample	Total/NA	Solid	8081B	1030240

GC Semi VOA (Continued)

Analysis Batch: 1030301 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-1030240/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1030240
460-323654-B-21-D MS	Matrix Spike	Total/NA	Solid	8081B	1030240
460-323654-B-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	1030240

Analysis Batch: 1030330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	8082A	1030238
460-323525-2	13A_5-10	Total/NA	Solid	8082A	1030238
460-323525-3	13B_0-5	Total/NA	Solid	8082A	1030238
460-323525-4	13B_5-10	Total/NA	Solid	8082A	1030238
460-323525-5	13C_0-4	Total/NA	Solid	8082A	1030238
460-323525-6	13C_4-8	Total/NA	Solid	8082A	1030238
460-323525-7	15A_0-4	Total/NA	Solid	8082A	1030238
460-323525-8	15A_4-8	Total/NA	Solid	8082A	1030238
460-323525-9	15B_0-4	Total/NA	Solid	8082A	1030238
460-323525-10	15B_4-8	Total/NA	Solid	8082A	1030238
460-323525-11	17A_0-4	Total/NA	Solid	8082A	1030238
460-323525-12	17A_4-8	Total/NA	Solid	8082A	1030238
460-323525-13	17B_0-4	Total/NA	Solid	8082A	1030238
460-323525-14	17B_4-8	Total/NA	Solid	8082A	1030238
460-323525-15	18A_0-5	Total/NA	Solid	8082A	1030238
460-323525-16	18A_5-10	Total/NA	Solid	8082A	1030238
460-323525-17	18B_0-4	Total/NA	Solid	8082A	1030238
MB 460-1030238/1-A	Method Blank	Total/NA	Solid	8082A	1030238
LCS 460-1030238/2-A	Lab Control Sample	Total/NA	Solid	8082A	1030238
LCSD 460-1030238/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1030238
460-323533-A-4-A MS	Matrix Spike	Total/NA	Solid	8082A	1030238
460-323533-A-4-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	1030238

Prep Batch: 1030441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-18	18B_4-8	Total/NA	Solid	3546	
460-323525-19	18C_0-5	Total/NA	Solid	3546	
460-323525-20	18C_5-10	Total/NA	Solid	3546	
460-323525-21	18D_0-5	Total/NA	Solid	3546	
460-323525-22	18D_5-10	Total/NA	Solid	3546	
MB 460-1030441/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030441/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030441/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323525-18 MS	18B_4-8	Total/NA	Solid	3546	
460-323525-18 MSD	18B_4-8	Total/NA	Solid	3546	

Prep Batch: 1030444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-18	18B_4-8	Total/NA	Solid	3546	
460-323525-19	18C_0-5	Total/NA	Solid	3546	
460-323525-20	18C_5-10	Total/NA	Solid	3546	
460-323525-21	18D_0-5	Total/NA	Solid	3546	
460-323525-22	18D_5-10	Total/NA	Solid	3546	
MB 460-1030444/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030444/2-A	Lab Control Sample	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 1030444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-1030444/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323525-18 MS	18B_4-8	Total/NA	Solid	3546	
460-323525-18 MSD	18B_4-8	Total/NA	Solid	3546	

Analysis Batch: 1030464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-19	18C_0-5	Total/NA	Solid	8081B	1030444
460-323525-20	18C_5-10	Total/NA	Solid	8081B	1030444
460-323525-21	18D_0-5	Total/NA	Solid	8081B	1030444
460-323525-22	18D_5-10	Total/NA	Solid	8081B	1030444

Analysis Batch: 1030498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-1030444/1-A	Method Blank	Total/NA	Solid	8081B	1030444
LCS 460-1030444/2-A	Lab Control Sample	Total/NA	Solid	8081B	1030444
LCSD 460-1030444/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1030444

Analysis Batch: 1030504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-18	18B_4-8	Total/NA	Solid	8082A	1030441
460-323525-19	18C_0-5	Total/NA	Solid	8082A	1030441
460-323525-20	18C_5-10	Total/NA	Solid	8082A	1030441
460-323525-21	18D_0-5	Total/NA	Solid	8082A	1030441
460-323525-22	18D_5-10	Total/NA	Solid	8082A	1030441
MB 460-1030441/1-A	Method Blank	Total/NA	Solid	8082A	1030441
LCS 460-1030441/2-A	Lab Control Sample	Total/NA	Solid	8082A	1030441
LCSD 460-1030441/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1030441
460-323525-18 MS	18B_4-8	Total/NA	Solid	8082A	1030441
460-323525-18 MSD	18B_4-8	Total/NA	Solid	8082A	1030441

Analysis Batch: 1030512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-18	18B_4-8	Total/NA	Solid	8081B	1030444
460-323525-18 MS	18B_4-8	Total/NA	Solid	8081B	1030444
460-323525-18 MSD	18B_4-8	Total/NA	Solid	8081B	1030444

LCMS

Prep Batch: 651333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	1633 Shake	
460-323525-2	13A_5-10	Total/NA	Solid	1633 Shake	
460-323525-3	13B_0-5	Total/NA	Solid	1633 Shake	
460-323525-4	13B_5-10	Total/NA	Solid	1633 Shake	
460-323525-5	13C_0-4	Total/NA	Solid	1633 Shake	
460-323525-6	13C_4-8	Total/NA	Solid	1633 Shake	
460-323525-7	15A_0-4	Total/NA	Solid	1633 Shake	
460-323525-8	15A_4-8	Total/NA	Solid	1633 Shake	
460-323525-9	15B_0-4	Total/NA	Solid	1633 Shake	
460-323525-10	15B_4-8	Total/NA	Solid	1633 Shake	
460-323525-11	17A_0-4	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 651333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-12	17A_4-8	Total/NA	Solid	1633 Shake	
460-323525-13	17B_0-4	Total/NA	Solid	1633 Shake	
460-323525-14	17B_4-8	Total/NA	Solid	1633 Shake	
460-323525-15	18A_0-5	Total/NA	Solid	1633 Shake	
460-323525-16	18A_5-10	Total/NA	Solid	1633 Shake	
460-323525-17	18B_0-4	Total/NA	Solid	1633 Shake	
460-323525-18	18B_4-8	Total/NA	Solid	1633 Shake	
460-323525-19	18C_0-5	Total/NA	Solid	1633 Shake	
460-323525-20	18C_5-10	Total/NA	Solid	1633 Shake	
MB 240-651333/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-651333/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-651333/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-323525-4 DU	13B_5-10	Total/NA	Solid	1633 Shake	

Prep Batch: 651369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-21	18D_0-5	Total/NA	Solid	1633 Shake	
460-323525-22	18D_5-10	Total/NA	Solid	1633 Shake	
MB 240-651369/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-651369/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-651369/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-323525-22 DU	18D_5-10	Total/NA	Solid	1633 Shake	

Analysis Batch: 651416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-21	18D_0-5	Total/NA	Solid	1633	651369
460-323525-22	18D_5-10	Total/NA	Solid	1633	651369
MB 240-651369/1-A	Method Blank	Total/NA	Solid	1633	651369
LCS 240-651369/3-A	Lab Control Sample	Total/NA	Solid	1633	651369
LLCS 240-651369/2-A	Lab Control Sample	Total/NA	Solid	1633	651369
460-323525-22 DU	18D_5-10	Total/NA	Solid	1633	651369

Analysis Batch: 651526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	1633	651333
460-323525-2	13A_5-10	Total/NA	Solid	1633	651333
460-323525-3	13B_0-5	Total/NA	Solid	1633	651333
460-323525-4	13B_5-10	Total/NA	Solid	1633	651333
460-323525-5	13C_0-4	Total/NA	Solid	1633	651333
460-323525-6	13C_4-8	Total/NA	Solid	1633	651333
460-323525-7	15A_0-4	Total/NA	Solid	1633	651333
460-323525-8	15A_4-8	Total/NA	Solid	1633	651333
460-323525-9	15B_0-4	Total/NA	Solid	1633	651333
460-323525-10	15B_4-8	Total/NA	Solid	1633	651333
460-323525-11	17A_0-4	Total/NA	Solid	1633	651333
460-323525-12	17A_4-8	Total/NA	Solid	1633	651333
460-323525-13	17B_0-4	Total/NA	Solid	1633	651333
460-323525-14	17B_4-8	Total/NA	Solid	1633	651333
460-323525-15	18A_0-5	Total/NA	Solid	1633	651333
460-323525-16	18A_5-10	Total/NA	Solid	1633	651333
460-323525-17	18B_0-4	Total/NA	Solid	1633	651333

LCMS (Continued)

Analysis Batch: 651526 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-18	18B_4-8	Total/NA	Solid	1633	651333
460-323525-19	18C_0-5	Total/NA	Solid	1633	651333
460-323525-20	18C_5-10	Total/NA	Solid	1633	651333
MB 240-651333/1-A	Method Blank	Total/NA	Solid	1633	651333
LCS 240-651333/3-A	Lab Control Sample	Total/NA	Solid	1633	651333
LLCS 240-651333/2-A	Lab Control Sample	Total/NA	Solid	1633	651333
460-323525-4 DU	13B_5-10	Total/NA	Solid	1633	651333

Metals

Prep Batch: 1030734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	7471B	
460-323525-2	13A_5-10	Total/NA	Solid	7471B	
460-323525-3	13B_0-5	Total/NA	Solid	7471B	
460-323525-4	13B_5-10	Total/NA	Solid	7471B	
460-323525-5	13C_0-4	Total/NA	Solid	7471B	
MB 460-1030734/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030734/11-A	Lab Control Sample	Total/NA	Solid	7471B	
460-323515-E-2-O MS	Matrix Spike	Total/NA	Solid	7471B	
460-323515-E-2-N DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1030735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-6	13C_4-8	Total/NA	Solid	7471B	
460-323525-7	15A_0-4	Total/NA	Solid	7471B	
460-323525-8	15A_4-8	Total/NA	Solid	7471B	
460-323525-9	15B_0-4	Total/NA	Solid	7471B	
460-323525-10	15B_4-8	Total/NA	Solid	7471B	
460-323525-11	17A_0-4	Total/NA	Solid	7471B	
460-323525-12	17A_4-8	Total/NA	Solid	7471B	
460-323525-13	17B_0-4	Total/NA	Solid	7471B	
460-323525-14	17B_4-8	Total/NA	Solid	7471B	
460-323525-15	18A_0-5	Total/NA	Solid	7471B	
460-323525-16	18A_5-10	Total/NA	Solid	7471B	
460-323525-17	18B_0-4	Total/NA	Solid	7471B	
460-323525-18	18B_4-8	Total/NA	Solid	7471B	
460-323525-19	18C_0-5	Total/NA	Solid	7471B	
460-323525-20	18C_5-10	Total/NA	Solid	7471B	
460-323525-21	18D_0-5	Total/NA	Solid	7471B	
460-323525-22	18D_5-10	Total/NA	Solid	7471B	
MB 460-1030735/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030735/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-323525-6 MS	13C_4-8	Total/NA	Solid	7471B	
460-323525-6 DU	13C_4-8	Total/NA	Solid	7471B	

Analysis Batch: 1030773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	7471B	1030734
460-323525-2	13A_5-10	Total/NA	Solid	7471B	1030734
460-323525-3	13B_0-5	Total/NA	Solid	7471B	1030734

Metals (Continued)

Analysis Batch: 1030773 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-4	13B_5-10	Total/NA	Solid	7471B	1030734
460-323525-5	13C_0-4	Total/NA	Solid	7471B	1030734
460-323525-6	13C_4-8	Total/NA	Solid	7471B	1030735
460-323525-7	15A_0-4	Total/NA	Solid	7471B	1030735
460-323525-8	15A_4-8	Total/NA	Solid	7471B	1030735
460-323525-9	15B_0-4	Total/NA	Solid	7471B	1030735
460-323525-10	15B_4-8	Total/NA	Solid	7471B	1030735
460-323525-11	17A_0-4	Total/NA	Solid	7471B	1030735
460-323525-12	17A_4-8	Total/NA	Solid	7471B	1030735
460-323525-13	17B_0-4	Total/NA	Solid	7471B	1030735
460-323525-14	17B_4-8	Total/NA	Solid	7471B	1030735
460-323525-15	18A_0-5	Total/NA	Solid	7471B	1030735
460-323525-16	18A_5-10	Total/NA	Solid	7471B	1030735
460-323525-17	18B_0-4	Total/NA	Solid	7471B	1030735
460-323525-18	18B_4-8	Total/NA	Solid	7471B	1030735
460-323525-19	18C_0-5	Total/NA	Solid	7471B	1030735
460-323525-20	18C_5-10	Total/NA	Solid	7471B	1030735
460-323525-21	18D_0-5	Total/NA	Solid	7471B	1030735
460-323525-22	18D_5-10	Total/NA	Solid	7471B	1030735
MB 460-1030734/10-A	Method Blank	Total/NA	Solid	7471B	1030734
MB 460-1030735/1-A	Method Blank	Total/NA	Solid	7471B	1030735
LCSSRM 460-1030734/11-A	Lab Control Sample	Total/NA	Solid	7471B	1030734
LCSSRM 460-1030735/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1030735
460-323515-E-2-O MS	Matrix Spike	Total/NA	Solid	7471B	1030734
460-323525-6 MS	13C_4-8	Total/NA	Solid	7471B	1030735
460-323515-E-2-N DU	Duplicate	Total/NA	Solid	7471B	1030734
460-323525-6 DU	13C_4-8	Total/NA	Solid	7471B	1030735

Prep Batch: 1031004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	3050B	
460-323525-2	13A_5-10	Total/NA	Solid	3050B	
460-323525-3	13B_0-5	Total/NA	Solid	3050B	
460-323525-4	13B_5-10	Total/NA	Solid	3050B	
460-323525-5	13C_0-4	Total/NA	Solid	3050B	
460-323525-6	13C_4-8	Total/NA	Solid	3050B	
460-323525-7	15A_0-4	Total/NA	Solid	3050B	
460-323525-8	15A_4-8	Total/NA	Solid	3050B	
460-323525-9	15B_0-4	Total/NA	Solid	3050B	
460-323525-10	15B_4-8	Total/NA	Solid	3050B	
460-323525-11	17A_0-4	Total/NA	Solid	3050B	
460-323525-12	17A_4-8	Total/NA	Solid	3050B	
460-323525-13	17B_0-4	Total/NA	Solid	3050B	
460-323525-14	17B_4-8	Total/NA	Solid	3050B	
460-323525-15	18A_0-5	Total/NA	Solid	3050B	
460-323525-16	18A_5-10	Total/NA	Solid	3050B	
460-323525-17	18B_0-4	Total/NA	Solid	3050B	
460-323525-18	18B_4-8	Total/NA	Solid	3050B	
MB 460-1031004/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1031004/2-A	Lab Control Sample	Total/NA	Solid	3050B	
460-323525-5 MS	13C_0-4	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 1031004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-5 DU	13C_0-4	Total/NA	Solid	3050B	

Prep Batch: 1031012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-19	18C_0-5	Total/NA	Solid	3050B	
460-323525-20	18C_5-10	Total/NA	Solid	3050B	
460-323525-21	18D_0-5	Total/NA	Solid	3050B	
460-323525-22	18D_5-10	Total/NA	Solid	3050B	
MB 460-1031012/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1031012/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-323536-A-1-G MS	Matrix Spike	Total/NA	Solid	3050B	
460-323536-A-1-F DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 1031186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	6020B	1031004
460-323525-2	13A_5-10	Total/NA	Solid	6020B	1031004
460-323525-3	13B_0-5	Total/NA	Solid	6020B	1031004
460-323525-4	13B_5-10	Total/NA	Solid	6020B	1031004
460-323525-5	13C_0-4	Total/NA	Solid	6020B	1031004
460-323525-6	13C_4-8	Total/NA	Solid	6020B	1031004
460-323525-7	15A_0-4	Total/NA	Solid	6020B	1031004
460-323525-8	15A_4-8	Total/NA	Solid	6020B	1031004
460-323525-9	15B_0-4	Total/NA	Solid	6020B	1031004
460-323525-10	15B_4-8	Total/NA	Solid	6020B	1031004
460-323525-11	17A_0-4	Total/NA	Solid	6020B	1031004
460-323525-12	17A_4-8	Total/NA	Solid	6020B	1031004
460-323525-13	17B_0-4	Total/NA	Solid	6020B	1031004
460-323525-14	17B_4-8	Total/NA	Solid	6020B	1031004
460-323525-15	18A_0-5	Total/NA	Solid	6020B	1031004
460-323525-16	18A_5-10	Total/NA	Solid	6020B	1031004
460-323525-17	18B_0-4	Total/NA	Solid	6020B	1031004
460-323525-18	18B_4-8	Total/NA	Solid	6020B	1031004
460-323525-19	18C_0-5	Total/NA	Solid	6020B	1031012
460-323525-20	18C_5-10	Total/NA	Solid	6020B	1031012
460-323525-21	18D_0-5	Total/NA	Solid	6020B	1031012
460-323525-22	18D_5-10	Total/NA	Solid	6020B	1031012
MB 460-1031004/1-A	Method Blank	Total/NA	Solid	6020B	1031004
MB 460-1031012/1-A	Method Blank	Total/NA	Solid	6020B	1031012
LCSSRM 460-1031004/2-A	Lab Control Sample	Total/NA	Solid	6020B	1031004
LCSSRM 460-1031012/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1031012
460-323525-5 MS	13C_0-4	Total/NA	Solid	6020B	1031004
460-323536-A-1-G MS	Matrix Spike	Total/NA	Solid	6020B	1031012
460-323525-5 DU	13C_0-4	Total/NA	Solid	6020B	1031004
460-323536-A-1-F DU	Duplicate	Total/NA	Solid	6020B	1031012

General Chemistry

Analysis Batch: 1030354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-1	13A_0-5	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1030354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323525-2	13A_5-10	Total/NA	Solid	Moisture	
460-323525-3	13B_0-5	Total/NA	Solid	Moisture	
460-323525-4	13B_5-10	Total/NA	Solid	Moisture	
460-323525-5	13C_0-4	Total/NA	Solid	Moisture	
460-323525-6	13C_4-8	Total/NA	Solid	Moisture	
460-323525-7	15A_0-4	Total/NA	Solid	Moisture	
460-323525-8	15A_4-8	Total/NA	Solid	Moisture	
460-323525-9	15B_0-4	Total/NA	Solid	Moisture	
460-323525-10	15B_4-8	Total/NA	Solid	Moisture	
460-323525-11	17A_0-4	Total/NA	Solid	Moisture	
460-323525-12	17A_4-8	Total/NA	Solid	Moisture	
460-323525-13	17B_0-4	Total/NA	Solid	Moisture	
460-323525-14	17B_4-8	Total/NA	Solid	Moisture	
460-323525-15	18A_0-5	Total/NA	Solid	Moisture	
460-323525-16	18A_5-10	Total/NA	Solid	Moisture	
460-323525-17	18B_0-4	Total/NA	Solid	Moisture	
460-323525-18	18B_4-8	Total/NA	Solid	Moisture	
460-323525-19	18C_0-5	Total/NA	Solid	Moisture	
460-323525-20	18C_5-10	Total/NA	Solid	Moisture	
460-323525-21	18D_0-5	Total/NA	Solid	Moisture	
460-323525-22	18D_5-10	Total/NA	Solid	Moisture	
460-323492-A-7 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323492-A-7 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323525-13 DU	17B_0-4	Total/NA	Solid	Moisture	
460-323525-22 DU	18D_5-10	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 13A_0-5
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13A_0-5
Date Collected: 04/03/25 08:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-1
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 21:23
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 06:15
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 10:20
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 05:25
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 15:44
Total/NA	Prep	7471B			1030734	TJS	EET EDI	04/10/25 00:47
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 04:52

Client Sample ID: 13A_5-10
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13A_5-10
Date Collected: 04/03/25 08:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-2
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 01:29
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 06:31
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 10:36
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 05:42
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 15:52
Total/NA	Prep	7471B			1030734	TJS	EET EDI	04/10/25 00:47
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 04:54

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 13B_0-5
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13B_0-5
Date Collected: 04/03/25 08:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-3
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 01:51
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 06:47
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 10:53
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 05:59
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 15:55
Total/NA	Prep	7471B			1030734	TJS	EET EDI	04/10/25 00:47
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 04:56

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13B_5-10
Date Collected: 04/03/25 08:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-4
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 02:14
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 07:02
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 11:10
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 06:15
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 15:57
Total/NA	Prep	7471B			1030734	TJS	EET EDI	04/10/25 00:47
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 04:57

Client Sample ID: 13C_0-4
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13C_0-4
Date Collected: 04/03/25 08:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-5
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 02:36
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 07:18
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 11:26
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 06:32
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 15:34
Total/NA	Prep	7471B			1030734	TJS	EET EDI	04/10/25 00:47
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 04:59

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 13C_4-8
Date Collected: 04/03/25 08:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-6
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 02:58
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 07:34
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 11:43
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 06:48
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:00
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:04

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 15A_0-4
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 15A_0-4
Date Collected: 04/03/25 09:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-7
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 03:21
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 07:50
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 12:00
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 07:05
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:02
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:15

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 15A_4-8
Date Collected: 04/03/25 09:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-8
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 03:43
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 08:06
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 12:16
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 07:55
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:05
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:17

Client Sample ID: 15B_0-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 15B_0-4
Date Collected: 04/03/25 09:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-9
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 01:07
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030301	FAM	EET EDI	04/08/25 08:22
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 12:33
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 08:11
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:07
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:19

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 15B_4-8
Date Collected: 04/03/25 09:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-10
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 04:49
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 06:04
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 12:50
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 08:28
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:10
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:21

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 17A_0-4
Date Collected: 04/03/25 09:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-11
Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 22:08
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 06:16
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 13:07
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 08:45
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:12
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:22

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 17A_4-8
Date Collected: 04/03/25 09:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-12
Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 22:30
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 06:29
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 13:23
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 09:01
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:15
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:24

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 17B_0-4
Date Collected: 04/03/25 10:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-13
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 23:37
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 06:41
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 13:41
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 09:18
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:28
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:26

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 17B_4-8
Date Collected: 04/03/25 10:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-14
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 00:00
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 06:53
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 13:57
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 09:35
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:30
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:28

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 18A_0-5
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18A_0-5
Date Collected: 04/03/25 13:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-15
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 00:22
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 07:05
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 14:14
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 09:51
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:33
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:30

Client Sample ID: 18A_5-10
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18A_5-10
Date Collected: 04/03/25 13:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-16
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 00:44
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 07:18
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 14:30
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 10:08
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:36
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:35

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18B_0-4
Date Collected: 04/03/25 13:20
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-17
Matrix: Solid
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 23:15
Total/NA	Prep	3546			1030240	ARA	EET EDI	04/07/25 17:06
Total/NA	Analysis	8081B		1	1030295	FAM	EET EDI	04/08/25 07:30
Total/NA	Prep	3546			1030238	ARA	EET EDI	04/07/25 17:03
Total/NA	Analysis	8082A		1	1030330	AAA	EET EDI	04/08/25 14:47
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 10:25
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:38
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:37

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18B_4-8
Date Collected: 04/03/25 13:30
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-18
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/08/25 22:53
Total/NA	Prep	3546			1030444	ARA	EET EDI	04/08/25 17:18
Total/NA	Analysis	8081B		1	1030512	FAM	EET EDI	04/09/25 08:32
Total/NA	Prep	3546			1030441	ARA	EET EDI	04/08/25 17:14
Total/NA	Analysis	8082A		1	1030504	AAA	EET EDI	04/09/25 10:01
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 11:14
Total/NA	Prep	3050B			1031004	FBT	EET EDI	04/11/25 07:07
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 16:41
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:39

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 18C_0-5
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18C_0-5
Date Collected: 04/03/25 13:40
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-19
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 04:05
Total/NA	Prep	3546			1030444	ARA	EET EDI	04/08/25 17:18
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 06:46
Total/NA	Prep	3546			1030441	ARA	EET EDI	04/08/25 17:14
Total/NA	Analysis	8082A		1	1030504	AAA	EET EDI	04/09/25 10:17
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 11:31
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:05
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:40

Client Sample ID: 18C_5-10
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18C_5-10
Date Collected: 04/03/25 13:50
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-20
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030379	OTS	EET EDI	04/08/25 10:09
Total/NA	Analysis	8270E		1	1030459	MME	EET EDI	04/09/25 04:27
Total/NA	Prep	3546			1030444	ARA	EET EDI	04/08/25 17:18
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 06:58
Total/NA	Prep	3546			1030441	ARA	EET EDI	04/08/25 17:14
Total/NA	Analysis	8082A		1	1030504	AAA	EET EDI	04/09/25 10:34
Total/NA	Prep	1633 Shake			651333	KML	EET CLE	04/08/25 13:15
Total/NA	Analysis	1633		1	651526	LD	EET CLE	04/10/25 11:48
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:08
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:42

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Client Sample ID: 18D_0-5
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18D_0-5
Date Collected: 04/03/25 14:00
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-21
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 04:23
Total/NA	Prep	3546			1030444	ARA	EET EDI	04/08/25 17:18
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 07:10
Total/NA	Prep	3546			1030441	ARA	EET EDI	04/08/25 17:14
Total/NA	Analysis	8082A		1	1030504	AAA	EET EDI	04/09/25 10:51
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 17:15
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:10
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:44

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 18D_5-10
Date Collected: 04/03/25 14:10
Date Received: 04/04/25 16:30

Lab Sample ID: 460-323525-22
Matrix: Solid
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 05:09
Total/NA	Prep	3546			1030444	ARA	EET EDI	04/08/25 17:18
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 07:23
Total/NA	Prep	3546			1030441	ARA	EET EDI	04/08/25 17:14
Total/NA	Analysis	8082A		1	1030504	AAA	EET EDI	04/09/25 11:08
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 17:31
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:18
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:46

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323525-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323525-1	13A_0-5	Solid	04/03/25 08:00	04/04/25 16:30
460-323525-2	13A_5-10	Solid	04/03/25 08:10	04/04/25 16:30
460-323525-3	13B_0-5	Solid	04/03/25 08:20	04/04/25 16:30
460-323525-4	13B_5-10	Solid	04/03/25 08:30	04/04/25 16:30
460-323525-5	13C_0-4	Solid	04/03/25 08:40	04/04/25 16:30
460-323525-6	13C_4-8	Solid	04/03/25 08:50	04/04/25 16:30
460-323525-7	15A_0-4	Solid	04/03/25 09:00	04/04/25 16:30
460-323525-8	15A_4-8	Solid	04/03/25 09:10	04/04/25 16:30
460-323525-9	15B_0-4	Solid	04/03/25 09:20	04/04/25 16:30
460-323525-10	15B_4-8	Solid	04/03/25 09:30	04/04/25 16:30
460-323525-11	17A_0-4	Solid	04/03/25 09:40	04/04/25 16:30
460-323525-12	17A_4-8	Solid	04/03/25 09:50	04/04/25 16:30
460-323525-13	17B_0-4	Solid	04/03/25 10:00	04/04/25 16:30
460-323525-14	17B_4-8	Solid	04/03/25 10:10	04/04/25 16:30
460-323525-15	18A_0-5	Solid	04/03/25 13:00	04/04/25 16:30
460-323525-16	18A_5-10	Solid	04/03/25 13:10	04/04/25 16:30
460-323525-17	18B_0-4	Solid	04/03/25 13:20	04/04/25 16:30
460-323525-18	18B_4-8	Solid	04/03/25 13:30	04/04/25 16:30
460-323525-19	18C_0-5	Solid	04/03/25 13:40	04/04/25 16:30
460-323525-20	18C_5-10	Solid	04/03/25 13:50	04/04/25 16:30
460-323525-21	18D_0-5	Solid	04/03/25 14:00	04/04/25 16:30
460-323525-22	18D_5-10	Solid	04/03/25 14:10	04/04/25 16:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.7
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 8 of 4
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323525
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tg ordano@haleyaldrich.com	PO #: 0208988-000-004-03			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

460-323525 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1000---1003-Standard List-ist-40 Sr	TCL SVOCs	TAL Metals	PCBs	Asbestos	PFAS Method 1633	Total Number	Special Instructions/Note:
		Preservation Code:				N								
13A_0-5	4/3/25	800	C	~~Water~~ So				X	X	X	X	X		1
13A 5-10		810		~~Water~~ So										2
13B_0-5		820		~~Water~~ So										3
13B 5-10		830		~~Water~~ So										4
13C 0-4		840		So										5
13C 4-8		850												6
15A_0-4		900												7
15A_4-8		910												8
15B_0-4		920												9
15B_4-8		930												10
~~17A~~ 17A_04		940												11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	H&A		4/4/25 11:04	EEC
2		4/4/25 14:30	Company	Received by:	Date/Time: 4/4 1630	Company ETH
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No

Custody Seal No. NOW IR#

Cooler Temperature(s) °C and Other Remarks: IR# 1.3/1.7 0.9/1.5 02/0.6

Ver 05/06/2024

4/14/2025

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-187508-122793.1
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323525
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgordano@haleyaldrich.com	PO #: 0208988-000-004-03			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			Other
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633_1633 Standard List of 40 + 3	TCL SVOC	TAL Metals	PCBs	Pesticides	PFAS Method 1633	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N							
17A_4-8	4/3/25	950	C	Solid				X	X	X	X	X		12
17B_0-4		1000		Solid										13
17B_4-8		1010		Solid										14
18A_0-5		1300		Solid										15
18A_5-10		1310		Solid										16
18B 0-4		320		Solid										17
18B 4-8		1330		Solid										18
18C 0-5		1340		Solid										19
18C_5-10		1350		Solid										20
18D 0-5		1400		Solid										21
18D_5-10		1410		Solid										22

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	NEA		4/4/25 11:04	ETH
2		4/4/25 16:30			4/4 1630	ETH
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

Job Number: 423528

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	3.9 °C	4.3 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	0.2 °C	0.6 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: DM Date: 4-4-25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other
N/A

1289-73

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
13A_0-5 (460-323525-1)	4/3/25	08:00 Eastern	G	Solid			X	1	
13A_5-10 (460-323525-2)	4/3/25	08:10 Eastern	G	Solid			X	1	
13B_0-5 (460-323525-3)	4/3/25	08:20 Eastern	G	Solid			X	1	
13B_5-10 (460-323525-4)	4/3/25	08:30 Eastern	G	Solid			X	1	
13C_0-4 (460-323525-5)	4/3/25	08:40 Eastern	G	Solid			X	1	
13C_4-8 (460-323525-6)	4/3/25	08:50 Eastern	G	Solid			X	1	
15A_0-4 (460-323525-7)	4/3/25	09:00 Eastern	G	Solid			X	1	
15A_4-8 (460-323525-8)	4/3/25	09:10 Eastern	G	Solid			X	1	
15B_0-4 (460-323525-9)	4/3/25	09:20 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900	EET		4/8/25 0952	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
15B_4-8 (460-323525-10)	4/3/25	09:30 Eastern	G	Solid			X	1	
17A_0-4 (460-323525-11)	4/3/25	09:40 Eastern	G	Solid			X	1	
17A_4-8 (460-323525-12)	4/3/25	09:50 Eastern	G	Solid			X	1	
17B_0-4 (460-323525-13)	4/3/25	10:00 Eastern	G	Solid			X	1	
17B_4-8 (460-323525-14)	4/3/25	10:10 Eastern	G	Solid			X	1	
18A_0-5 (460-323525-15)	4/3/25	13:00 Eastern	G	Solid			X	1	
18A_5-10 (460-323525-16)	4/3/25	13:10 Eastern	G	Solid			X	1	
18B_0-4 (460-323525-17)	4/3/25	13:20 Eastern	G	Solid			X	1	
18B_4-8 (460-323525-18)	4/3/25	13:30 Eastern	G	Solid			X	1	

Analysis Requested

Preservation Codes:

Other: N/A

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by:	4/7/25 1900	EEL	Received by:	4/8/25 0950	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 3 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

239-73

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
18C_0-5 (460-323525-19)	4/3/25	13:40 Eastern	G	Solid			X	1	
18C_5-10 (460-323525-20)	4/3/25	13.50 Eastern	G	Solid			X	1	
18D_0-5 (460-323525-21)	4/3/25	14:00 Eastern	G	Solid			X	1	
18D_5-10 (460-323525-22)	4/3/25	14.10 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900	EET		4/8/25 0950	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

289-73

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
13A_0-5 (460-323525-1)	4/3/25	08:00 Eastern	G	Solid			X	1	
13A_5-10 (460-323525-2)	4/3/25	08.10 Eastern	G	Solid			X	1	
13B_0-5 (460-323525-3)	4/3/25	08.20 Eastern	G	Solid			X	1	
13B_5-10 (460-323525-4)	4/3/25	08:30 Eastern	G	Solid			X	1	
13C_0-4 (460-323525-5)	4/3/25	08:40 Eastern	G	Solid			X	1	
13C_4-8 (460-323525-6)	4/3/25	08:50 Eastern	G	Solid			X	1	
15A_0-4 (460-323525-7)	4/3/25	09:00 Eastern	G	Solid			X	1	
15A_4-8 (460-323525-8)	4/3/25	09:10 Eastern	G	Solid			X	1	
15B_0-4 (460-323525-9)	4/3/25	09:20 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900	EEN		4/8/25 0952	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
15B_4-8 (460-323525-10)	4/3/25	09:30 Eastern	G	Solid			X	1	
17A_0-4 (460-323525-11)	4/3/25	09:40 Eastern	G	Solid			X	1	
17A_4-8 (460-323525-12)	4/3/25	09:50 Eastern	G	Solid			X	1	
17B_0-4 (460-323525-13)	4/3/25	10:00 Eastern	G	Solid			X	1	
17B_4-8 (460-323525-14)	4/3/25	10:10 Eastern	G	Solid			X	1	
18A_0-5 (460-323525-15)	4/3/25	13:00 Eastern	G	Solid			X	1	
18A_5-10 (460-323525-16)	4/3/25	13:10 Eastern	G	Solid			X	1	
18B_0-4 (460-323525-17)	4/3/25	13:20 Eastern	G	Solid			X	1	
18B_4-8 (460-323525-18)	4/3/25	13:30 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900	EC		4/8/25 0950	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 3
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 3 of 3
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323525-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

239-73

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
18C_0-5 (460-323525-19)	4/3/25	13:40 Eastern	G	Solid			X	1	
18C_5-10 (460-323525-20)	4/3/25	13:50 Eastern	G	Solid			X	1	
18D_0-5 (460-323525-21)	4/3/25	14:00 Eastern	G	Solid			X	1	
18D_5-10 (460-323525-22)	4/3/25	14.10 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900	EET		4/8/25 0950	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative **Login # :**
Barberton Facility

Client Eurofins Site Name

Cooler unpacked by:

Cooler Received on 4/8/25 Opened on 4/8/25

FedEx. 1st Grd (Exp) UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam (Plastic Bag) None Other

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # _____ (CF _____ °C) Observed Cooler Temp _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	(Yes) No	
-Were the seals on the outside of the cooler(s) signed & dated?	Yes (No) NA	
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes (No)	
-Were tamper/custody seals intact and uncompromised?	(Yes) No NA	
3 Shippers' packing slip attached to the cooler(s)?	(Yes) No	
4. Did custody papers accompany the sample(s)?	(Yes) No	
5 Were the custody papers relinquished & signed in the appropriate place?	(Yes) No	
6 Was/were the person(s) who collected the samples clearly identified on the COC?	Yes (No)	
7 Did all bottles arrive in good condition (Unbroken)?	(Yes) No	
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes) No	
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	(Yes) No	
11 Sufficient quantity received to perform indicated analyses?	(Yes) No	
12 Are these work share samples and all listed on the COC?	(Yes) No	
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes No NA	pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes No	
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this.	Yes No NA	
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	Yes No	
17 Was a LL Hg or Me Hg trip blank present? _____	Yes No	

Tests that are not checked for pH by Receiving:

VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

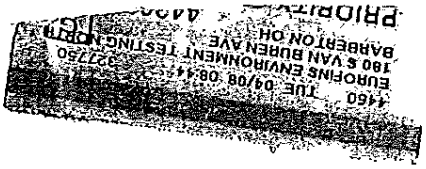
Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Login # : _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 18	1.3	1.2	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	11	10	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.1	3.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.8	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	



eurofins | Environment Testing TestAmerica

Part # 159469-434 MTN EXP 04/26

ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE 07APR25
ACTWGT 39.85 LB
CAD 0619092/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203

(330) 497-9396
PO: YES

REF: 8460-193504

FedEx Express

3 of 5

MPS# 0263 4320 1504 2337

Mstr# 4320 1504 2315

0201

TUE - 08 APR 10:30A
PRIORITY OVERNIGHT

XS CAKA

44203
OH-US CLE

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323525-1

Login Number: 323525
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/10/2025 5:07:31 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323526-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

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Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323526-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/3/2025 12:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.4°C and 1.7°C.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 4/7/2025 and analyzed on 4/7/2025 and 4/8/2025.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1030171 and analytical batch 460-1030259 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared on 4/6/2025 and analyzed on 4/6/2025 and 4/7/2025.

The continuing calibration verification (CCVIS) for Tetrachloro-m-xylene surrogate recovered outside the upper control limit on the primary column but within control limits on the secondary column. The data have been qualified and reported. (CCVIS 460-1030077/2)

The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: 9B_0-5 (460-323526-3) and 9C_5-10 (460-323526-6). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Method 8081B - Organochlorine Pesticides (GC)
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Organochlorine Pesticides (GC). The samples were prepared and analyzed on 4/6/2025.

The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: 9A_5-10 (460-323526-2). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

The Tetrachloro-m-xylene surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: 9B_0-5 (460-323526-3). The recovery is within acceptance limits on the other column,

indicating that the extraction process was in control.

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 4/8/2025 and analyzed on 4/9/2025 and 4/10/2025.

Sample 10D_0-6 (460-323526-15)[10x] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9C_0-5 (460-323526-5), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Isotope Dilution Analyte (IDA) recovery was outside the method recommended limit for the following sample: 10D_0-6 (460-323526-15). Since this was likely due to matrix effects, sample was analyzed at a dilution and may have elevated RLs.

Method 6020B - Metals (ICP/MS)
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Metals (ICP/MS). The samples were prepared on 4/6/2025 and 4/9/2025 and analyzed on 4/6/2025 and 4/10/2025.

Method 7471B - Mercury (CVAA)
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 4/6/2025, 4/8/2025 and 4/9/2025.

Method Moisture - Percent Moisture
Samples 9A_0-5 (460-323526-1), 9A_5-10 (460-323526-2), 9B_0-5 (460-323526-3), 9B_5-10 (460-323526-4), 9C_0-5 (460-323526-5), 9C_5-10 (460-323526-6), 9D_0-5 (460-323526-7), 9D_5-10 (460-323526-8), 10A_0-4 (460-323526-9), 10A_4-8 (460-323526-10), 10B_0-6 (460-323526-11), 10B_6-12 (460-323526-12), 10C_0-4 (460-323526-13), 10C_4-8 (460-323526-14), 10D_0-6 (460-323526-15), 10D_6-12 (460-323526-16), 10E_0-6 (460-323526-17) and 10E_6-12 (460-323526-18) were analyzed for Percent Moisture. The samples were analyzed on 4/8/2025.

Client Sample ID: 9A_0-5 — Lab Sample ID: 460-323526-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.029	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.063	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.28		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.22		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.67		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.11	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.57		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.044	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	8100		20.6	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.23	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.3		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	75.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.66		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.12	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2630		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.8		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	24.4		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19200		61.8	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	50.9		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3290		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	381		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.5		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1440		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.13	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Sodium	108		103	47.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.9		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	58.4		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: 9A_5-10 — Lab Sample ID: 460-323526-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.021	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.038	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.084	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.34		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.26		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.45		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.25		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.31		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.067	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.037	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.21	J	0.58	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7430		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	3.4		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.5		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	72.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.73		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.15	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1540		102	41.5	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9A_5-10 (Continued)

Lab Sample ID: 460-323526-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	19.5		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	9.2		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	241		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19700		61.2	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	101		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2820		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	303		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	151		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1210		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.52	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.61		0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	95.2	J	102	46.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.5		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	105		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA

Client Sample ID: 9B_0-5

Lab Sample ID: 460-323526-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.026	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.094	J	0.27	0.068	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.080	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.20		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.96		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.84		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.32		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.41		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.52		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.077	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.43	J	0.54	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7560		20.6	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.79	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.9		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	91.9		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.39	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2190		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	29.9		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	101		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	22800		61.7	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	294		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1980		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	226		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	42.3		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1080		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.49	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	152		103	47.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9B_0-5 (Continued)

Lab Sample ID: 460-323526-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.093	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.4		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	270		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.029		0.017	0.0081	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 9B_5-10

Lab Sample ID: 460-323526-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.0099	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.011	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.064	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.061	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.097	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.64		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.56		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.05		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.45		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.31		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.12	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.12	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.78		0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.13	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.055	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.83	J	1.37	0.34	ug/Kg	1	☼	1633	Total/NA
Aluminum	6910		20.7	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.81	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.1		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	84.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.94		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.36	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2460		103	42.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.2		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	14.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	99.6		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	21200		62.0	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	283		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2230		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	230		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	51.7		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1070		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.41	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.24	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	127		103	47.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.084	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	278		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.030		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9C_0-5 — Lab Sample ID: 460-323526-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.012	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.013	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.38	0.0065	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.014	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.075	J	0.29	0.072	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.058	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.098	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.35		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	3.16		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.0		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.09		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.25		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.90		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.066	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.14		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.24	J	0.57	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.070	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	10500		21.1	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.84	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	14.4		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	76.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.9		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.48	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1560		105	42.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	175		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10.5		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	93.4		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	45100		63.2	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	288		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2340		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	302		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	36.0		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1280		105	17.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.90	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	103	J	105	48.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	43.2		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	203		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.018	J	0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 9C_5-10 — Lab Sample ID: 460-323526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.025	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.012	J	0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.050	J	0.39	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.039	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.030	J	0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.39	0.0098	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.053	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9C_5-10 (Continued) — Lab Sample ID: 460-323526-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.058	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.07		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.32		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.32		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.23		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.43		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.081	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.076	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.58	J	0.60	0.15	ug/Kg	1	☼	1633	Total/NA
Aluminum	10200		21.7	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.98	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	100		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.5		0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.44	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2810		108	44.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	33.9		2.2	0.98	mg/Kg	1	☼	6020B	Total/NA
Cobalt	12.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	113		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	26600		65.0	21.9	mg/Kg	1	☼	6020B	Total/NA
Lead	380		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2550		108	11.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	244		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	56.7		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	1410		108	17.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.52	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Sodium	163		108	49.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	28.7		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	355		8.7	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.013	J	0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 9D_0-5 — Lab Sample ID: 460-323526-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.11	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.53		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.73		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	8060		21.1	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	10.3		1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.7		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	73.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.72		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2380		106	42.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.4		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	11.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9D_0-5 (Continued)

Lab Sample ID: 460-323526-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	980		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	21600		63.3	21.3	mg/Kg	1	☼	6020B	Total/NA
Lead	157		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3180		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	380		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	243		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1310		106	17.1	mg/Kg	1	☼	6020B	Total/NA
Selenium	1.8		1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	1.8		0.42	0.094	mg/Kg	1	☼	6020B	Total/NA
Sodium	110		106	48.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.7		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	123		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.013	J	0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 9D_5-10

Lab Sample ID: 460-323526-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.025	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.037	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.12	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.46		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.67		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.040	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.048	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.054	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	0.61	J	1.41	0.35	ug/Kg	1	☼	1633	Total/NA
Aluminum	7410		20.7	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.42	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	80.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.2		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.18	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	5030		103	42.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.7		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	53.4		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	23300		62.0	20.9	mg/Kg	1	☼	6020B	Total/NA
Lead	120		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4100		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	544		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	31.3		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1180		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.17	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.11	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	111		103	47.2	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	59.7		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	164		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9D_5-10 (Continued) — Lab Sample ID: 460-323526-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.014	J	0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10A_0-4 — Lab Sample ID: 460-323526-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.024	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.017	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.018	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.048	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.093	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.37		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.26		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.34		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.064	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.052	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.30	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.046	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	7360		21.5	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.41	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.9		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	69.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.64		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.20	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2410		107	43.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.3		2.1	0.98	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.6		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	37.9		2.1	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	16700		64.5	21.7	mg/Kg	1	☼	6020B	Total/NA
Lead	107		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3530		107	11.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	336		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	19.7		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1320		107	17.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.15	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Sodium	94.2	J	107	49.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.5		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	91.9		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.013	J	0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10A_4-8 — Lab Sample ID: 460-323526-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.030	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.011	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.23	J	0.28	0.069	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10A_4-8 (Continued) — Lab Sample ID: 460-323526-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorononanoic acid (PFNA)	0.50		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.80		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.86		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.62		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.48		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.19		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.051	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.16	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.29		0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.039	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	7790		21.0	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.17	J	1.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.3		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	79.6		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.63		0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Calcium	1840		105	42.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.1		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.8		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	22.5		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	18300		63.0	21.2	mg/Kg	1	☼	6020B	Total/NA
Lead	27.9		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3650		105	10.7	mg/Kg	1	☼	6020B	Total/NA
Manganese	438		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	17.6		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	1540		105	17.0	mg/Kg	1	☼	6020B	Total/NA
Sodium	98.8	J	105	48.0	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.12	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.5		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	50.2		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.012	J	0.018	0.0087	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10B_0-6 — Lab Sample ID: 460-323526-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.012	J	0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.016	J	0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.023	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.015	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.016	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.019	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.12	J	0.28	0.071	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.087	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.10	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.18		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.95		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.52		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	5.49		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.52		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	8.83		0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10B_0-6 (Continued)

Lab Sample ID: 460-323526-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorotetradecanoic acid (PFTeDA)	0.14		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.063	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.14	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	13300		20.3	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.4		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	12.0		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	87.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.97		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.0		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	3280		101	41.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	40.9		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	13.6		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	96.0		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	32000		60.8	20.5	mg/Kg	1	☼	6020B	Total/NA
Lead	542		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5060		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	424		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	35.6		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1730		101	16.4	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.44	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.61		0.41	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	160		101	46.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.19	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	43.8		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	294		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.046		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10B_6-12

Lab Sample ID: 460-323526-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.011	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.014	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.020	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.026	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.018	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.20	J	0.29	0.072	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.16		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.12	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.26		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.30		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.34		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.40		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.73		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	10.0		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.28		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.11	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.64		0.57	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.036	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	8920		21.4	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.0	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10B_6-12 (Continued)

Lab Sample ID: 460-323526-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	73.5		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.81		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.74	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1910		107	43.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	35.8		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	10		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	70.8		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	24100		64.1	21.6	mg/Kg	1	☼	6020B	Total/NA
Lead	397		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3140		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	294		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	27.3		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1180		107	17.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.39	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.36	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	115		107	48.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	29.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	223		8.5	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.042		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10C_0-4

Lab Sample ID: 460-323526-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	0.011	J	0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.014	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.018	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.016	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.22	J	0.27	0.069	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.15		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.14		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.99		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.74		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.07		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.61		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.63		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.18		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.048	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.14	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	2.29		0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	6080		22.3	6.1	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.94	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.1		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	56.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.0		0.45	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.31	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Calcium	4130		111	45.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	32.6		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10C_0-4 (Continued)

Lab Sample ID: 460-323526-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	12.2		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	101		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Iron	20400		66.8	22.5	mg/Kg	1	☼	6020B	Total/NA
Lead	156		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3270		111	11.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	171		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	44.1		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Potassium	944		111	18.0	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.53	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.45	0.099	mg/Kg	1	☼	6020B	Total/NA
Sodium	122		111	50.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.065	J	0.45	0.046	mg/Kg	1	☼	6020B	Total/NA
Vanadium	24.2		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	286		8.9	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10C_4-8

Lab Sample ID: 460-323526-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.016	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.016	J	0.036	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.017	J	0.036	0.0093	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.026	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0082	J	0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.019	J	0.36	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.016	J	0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0092	J	0.36	0.0062	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.016	J	0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.020	J	0.36	0.0090	mg/Kg	1	☼	8270E	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.037	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.054	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.24		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.30		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.27		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.43		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.25		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.12	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.038	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.60		0.53	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	5280		19.5	5.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.81	J	0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.2		0.97	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	43.8		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.66		0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.28	J	0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	4100		97.3	39.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.2		1.9	0.88	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.9		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	73.4		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	19500		58.4	19.7	mg/Kg	1	☼	6020B	Total/NA
Lead	162		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10C_4-8 (Continued)

Lab Sample ID: 460-323526-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	3380		97.3	9.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	128		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	33.9		1.9	0.46	mg/Kg	1	☼	6020B	Total/NA
Potassium	824		97.3	15.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.52	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.25	J	0.39	0.087	mg/Kg	1	☼	6020B	Total/NA
Sodium	94.2	J	97.3	44.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.054	J	0.39	0.040	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.7		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	192		7.8	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.021		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10D_0-6

Lab Sample ID: 460-323526-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.033	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.018	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.019	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.019	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.014	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Bis(2-ethylhexyl) phthalate	0.10	J	0.38	0.020	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.019	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.023	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.023	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.033	J	0.38	0.0066	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.062	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.046	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.041	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.056	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.089	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.59		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.92		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.51		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	4.82		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.14		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.052	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.43	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA) - DL	3.64		1.40	0.35	ug/Kg	10	☼	1633	Total/NA
Aluminum	6430		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.74	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.1		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	59.0		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.74		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.34	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1790		103	41.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	22.7		2.1	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	61.3		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19100		61.6	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	223		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10D_0-6 (Continued)

Lab Sample ID: 460-323526-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	2220		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	189		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.8		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	994		103	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	95.1	J	103	46.9	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.074	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.2		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	170		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.026		0.019	0.0091	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10D_6-12

Lab Sample ID: 460-323526-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.011	J	0.037	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.013	J	0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.053	J	0.37	0.014	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.018	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.020	J	0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.088	J	0.27	0.069	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.053	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.056	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.086	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.61		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.43		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.37		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.48		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	5.80		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.13	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.062	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.27	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	6680		21.3	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	3.6		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	11.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	82.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	2.3		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.52	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	2590		107	43.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	47.7		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	15.3		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	288		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	22000		64.0	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	405		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2620		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	228		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	91.4		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1010		107	17.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	1.1	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.84		0.43	0.095	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10D_6-12 (Continued)

Lab Sample ID: 460-323526-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	151		107	48.7	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.090	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.4		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	347		8.5	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.027		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10E_0-6

Lab Sample ID: 460-323526-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.012	J	0.38	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.017	J	0.038	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.020	J	0.038	0.0099	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.031	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0076	J	0.038	0.0075	mg/Kg	1	☼	8270E	Total/NA
Di-n-butyl phthalate	0.020	J	0.38	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.021	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.018	J	0.038	0.015	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.017	J	0.38	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.028	J	0.38	0.0095	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.050	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.083	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.20		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	2.30		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.32		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.38		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.37		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	5.60		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.11	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.13	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	9050		21.6	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	2.6		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.5		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	182		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.8		0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	1.1		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3130		108	44.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	76.8		2.2	0.98	mg/Kg	1	☼	6020B	Total/NA
Cobalt	24.9		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	213		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	29400		64.8	21.8	mg/Kg	1	☼	6020B	Total/NA
Lead	874		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2930		108	11.0	mg/Kg	1	☼	6020B	Total/NA
Manganese	293		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	93.8		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	1100		108	17.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	2.4		1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.73		0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Sodium	271		108	49.4	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.096	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.4		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	672		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 10E_0-6 (Continued)

Lab Sample ID: 460-323526-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.048		0.020	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 10E_6-12

Lab Sample ID: 460-323526-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.012	J	0.037	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.014	J	0.037	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.019	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.014	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.020	J	0.37	0.0093	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.051	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.038	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.13	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.94		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.15		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.33		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.040	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Aluminum	6030		20.8	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.5		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	47.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	1.8		0.42	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1550		104	42.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	27.0		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.1		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	66.9		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	19800		62.4	21.0	mg/Kg	1	☼	6020B	Total/NA
Lead	276		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2080		104	10.6	mg/Kg	1	☼	6020B	Total/NA
Manganese	184		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.6		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Potassium	924		104	16.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.42	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.28	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Sodium	92.2	J	104	47.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.082	J	0.42	0.043	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.0		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	201		8.3	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.024		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Di-n-butyl phthalate	**0.029**	**J**	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	04/07/25 09:44	04/07/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*04/07/25 09:44*	*04/07/25 22:48*	*1*
2-Fluorobiphenyl	*78*		*38 - 128*	*04/07/25 09:44*	*04/07/25 22:48*	*1*
2-Fluorophenol (Surr)	*76*		*31 - 133*	*04/07/25 09:44*	*04/07/25 22:48*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/07/25 09:44*	*04/07/25 22:48*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*04/07/25 09:44*	*04/07/25 22:48*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*04/07/25 09:44*	*04/07/25 22:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:30*	*1*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:30*	*1*
Tetrachloro-m-xylene	*110*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:30*	*1*
Tetrachloro-m-xylene	*109*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:30*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:28*	*1*
DCB Decachlorobiphenyl	*79*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:28*	*1*
Tetrachloro-m-xylene	*87*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:28*	*1*
Tetrachloro-m-xylene	*107*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:28*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorooctanoic acid (PFOA)	**0.063**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorononanoic acid (PFNA)	**0.28**		0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorodecanoic acid (PFDA)	**0.22**		0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoroundecanoic acid (PFUnA)	**0.67**		0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorododecanoic acid (PFDoA)	**0.11**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorotridecanoic acid (PFTrDA)	**0.57**		0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorooctanesulfonic acid (PFOS)	**0.044**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.37	U	3.37	0.84	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 11:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*81.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C5 PFPeA	*88.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C5 PFHxA	*84.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C4 PFHpA	*99.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C8 PFOA	*76.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C9 PFNA	*83.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C6 PFDA	*84.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*
13C7 PFUnA	*141*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:09*	*1*

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	82.2		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C3 PFBS	82.5		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C3 PFHxS	66.9		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C8 PFOS	79.3		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C8 FOSA	81.3		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d3-NMeFOSAA	84.7		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d5-NEtFOSAA	86.0		20 - 150	04/08/25 14:54	04/09/25 11:09	1
M2-4:2 FTS	73.9		20 - 150	04/08/25 14:54	04/09/25 11:09	1
M2-6:2 FTS	77.8		20 - 150	04/08/25 14:54	04/09/25 11:09	1
M2-8:2 FTS	71.6		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C3 HFPO-DA	89.0		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d7-N-MeFOSE-M	55.1		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d9-N-EtFOSE-M	51.5		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d5-NEtPFOSA	68.9		20 - 150	04/08/25 14:54	04/09/25 11:09	1
d3-NMePFOSA	79.3		20 - 150	04/08/25 14:54	04/09/25 11:09	1
13C2-PFDoDA	84.7		20 - 150	04/08/25 14:54	04/09/25 11:09	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8100		20.6	5.7	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Antimony	0.23	J	1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Arsenic	4.3		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Barium	75.8		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Beryllium	0.66		0.41	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Cadmium	0.12	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Calcium	2630		103	41.9	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Chromium	17.8		2.1	0.93	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Cobalt	7.3		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Copper	24.4		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Iron	19200		61.8	20.8	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Lead	50.9		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Magnesium	3290		103	10.5	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Manganese	381		4.1	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Nickel	17.5		2.1	0.48	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Potassium	1440		103	16.7	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Selenium	0.13	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Silver	0.41	U	0.41	0.092	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Sodium	108		103	47.0	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Thallium	0.11	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Vanadium	22.9		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1
Zinc	58.4		8.2	3.1	mg/Kg	☼	04/09/25 07:50	04/10/25 00:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0085	mg/Kg	☼	04/08/25 01:34	04/08/25 06:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.0		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	90.0		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Di-n-butyl phthalate	**0.021**	**J**	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1
Pyrene	0.38	U	0.38	0.0095	mg/Kg	☼	04/07/25 09:44	04/07/25 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*04/07/25 09:44*	*04/07/25 23:11*	*1*
2-Fluorobiphenyl	*90*		*38 - 128*	*04/07/25 09:44*	*04/07/25 23:11*	*1*
2-Fluorophenol (Surr)	*85*		*31 - 133*	*04/07/25 09:44*	*04/07/25 23:11*	*1*
Nitrobenzene-d5 (Surr)	*81*		*31 - 120*	*04/07/25 09:44*	*04/07/25 23:11*	*1*
Phenol-d5 (Surr)	*84*		*35 - 132*	*04/07/25 09:44*	*04/07/25 23:11*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*04/07/25 09:44*	*04/07/25 23:11*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*144*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:42*	*1*
DCB Decachlorobiphenyl	*120*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:42*	*1*
Tetrachloro-m-xylene	*152*	*	*21 - 150*	*04/06/25 08:42*	*04/06/25 19:42*	*1*
Tetrachloro-m-xylene	*150*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:42*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*65*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:44*	*1*
DCB Decachlorobiphenyl	*76*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:44*	*1*
Tetrachloro-m-xylene	*85*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:44*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:44*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoroheptanoic acid (PFHpA)	**0.038**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorooctanoic acid (PFOA)	**0.084**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorononanoic acid (PFNA)	**0.34**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorodecanoic acid (PFDA)	**0.26**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoroundecanoic acid (PFUnA)	**1.45**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorododecanoic acid (PFDoA)	**0.25**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorotridecanoic acid (PFTrDA)	**1.31**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorotetradecanoic acid (PFTeDA)	**0.067**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.037**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.21**	**J**	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.60	U	3.60	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.60	U	3.60	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 11:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*119*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C5 PFPeA	*130*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C5 PFHxA	*121*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C4 PFHpA	*148*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C8 PFOA	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C9 PFNA	*116*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*
13C6 PFDA	*113*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:26*	*1*

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	183	*	20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C2 PFTeDA	96.7		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C3 PFBS	120		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C3 PFHxS	98.1		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C8 PFOS	111		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C8 FOSA	119		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d3-NMeFOSAA	118		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d5-NEtFOSAA	114		20 - 150	04/08/25 14:54	04/09/25 11:26	1
M2-4:2 FTS	121		20 - 150	04/08/25 14:54	04/09/25 11:26	1
M2-6:2 FTS	126		20 - 150	04/08/25 14:54	04/09/25 11:26	1
M2-8:2 FTS	110		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C3 HFPO-DA	128		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d7-N-MeFOSE-M	76.1		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d9-N-EtFOSE-M	68.8		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d5-NEtPFOSA	89.7		20 - 150	04/08/25 14:54	04/09/25 11:26	1
d3-NMePFOSA	109		20 - 150	04/08/25 14:54	04/09/25 11:26	1
13C2-PFDoDA	104		20 - 150	04/08/25 14:54	04/09/25 11:26	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7430		20.4	5.6	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Antimony	3.4		1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Arsenic	5.5		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Barium	72.8		2.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Beryllium	0.73		0.41	0.058	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Cadmium	0.15	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Calcium	1540		102	41.5	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Chromium	19.5		2.0	0.93	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Cobalt	9.2		2.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Copper	241		2.0	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Iron	19700		61.2	20.6	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Lead	101		0.61	0.20	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Magnesium	2820		102	10.4	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Manganese	303		4.1	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Nickel	151		2.0	0.48	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Potassium	1210		102	16.5	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Selenium	0.52	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Silver	0.61		0.41	0.091	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Sodium	95.2	J	102	46.6	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Thallium	0.11	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Vanadium	23.5		2.0	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1
Zinc	105		8.2	3.1	mg/Kg	☼	04/09/25 07:50	04/10/25 00:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0091	mg/Kg	☼	04/08/25 01:34	04/08/25 06:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.3		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9A_5-10

Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2

Matrix: Solid
Percent Solids: 86.7

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9B_0-5

Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3

Matrix: Solid
Percent Solids: 92.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4-Dimethylphenol	0.36	U	0.36	0.042	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4-Dinitrophenol	0.29	U	0.29	0.17	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
3-Nitroaniline	0.36	U	0.36	0.084	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Nitroaniline	0.36	U	0.36	0.090	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Acetophenone	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzaldehyde	0.36	U *	0.36	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0092	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1

Client Sample ID: 9B_0-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Caprolactam	0.36	U *	0.36	0.055	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Diethyl phthalate	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Di-n-butyl phthalate	**0.026**	**J**	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	04/07/25 09:44	04/08/25 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 137*	*04/07/25 09:44*	*04/08/25 05:50*	*1*
2-Fluorobiphenyl	*81*		*38 - 128*	*04/07/25 09:44*	*04/08/25 05:50*	*1*
2-Fluorophenol (Surr)	*77*		*31 - 133*	*04/07/25 09:44*	*04/08/25 05:50*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/07/25 09:44*	*04/08/25 05:50*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*04/07/25 09:44*	*04/08/25 05:50*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*04/07/25 09:44*	*04/08/25 05:50*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
alpha-BHC	0.0022	U	0.0022	0.00073	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1

Client Sample ID: 9B_0-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3
Matrix: Solid
Percent Solids: 92.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	04/06/25 08:42	04/06/25 19:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*148*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:54*	*1*
DCB Decachlorobiphenyl	*130*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:54*	*1*
Tetrachloro-m-xylene	*147*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:54*	*1*
Tetrachloro-m-xylene	*154*	*	*21 - 150*	*04/06/25 08:42*	*04/06/25 19:54*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*111*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:01*	*1*
DCB Decachlorobiphenyl	*125*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:01*	*1*
Tetrachloro-m-xylene	*135*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:01*	*1*
Tetrachloro-m-xylene	*169*	*	*20 - 150*	*04/06/25 08:47*	*04/06/25 20:01*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoropentanoic acid (PFPeA)	**0.094**	**J**	0.27	0.068	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorohexanoic acid (PFHxA)	**0.080**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoroheptanoic acid (PFHpA)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorooctanoic acid (PFOA)	**0.20**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorononanoic acid (PFNA)	**0.96**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorodecanoic acid (PFDA)	**0.84**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoroundecanoic acid (PFUnA)	**3.32**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorododecanoic acid (PFDoA)	**0.41**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorotridecanoic acid (PFTrDA)	**2.52**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1

Client Sample ID: 9B_0-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3
Matrix: Solid
Percent Solids: 92.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorooctanesulfonic acid (PFOS)	**0.077**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.43**	**J**	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.38	U	3.38	0.84	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.38	U	3.38	0.84	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:54	04/09/25 11:43	1

Client Sample ID: 9B_0-5

Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3

Matrix: Solid
Percent Solids: 92.6

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94.6		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C5 PFPeA	109		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C5 PFHxA	96.4		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C4 PFHpA	119		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C8 PFOA	88.4		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C9 PFNA	93.6		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C6 PFDA	90.3		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C7 PFUnA	152	*	20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C2 PFTeDA	76.9		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C3 PFBS	89.8		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C3 PFHxS	73.5		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C8 PFOS	86.9		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C8 FOSA	96.4		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d3-NMeFOSAA	95.9		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d5-NEtFOSAA	91.8		20 - 150	04/08/25 14:54	04/09/25 11:43	1
M2-4:2 FTS	83.3		20 - 150	04/08/25 14:54	04/09/25 11:43	1
M2-6:2 FTS	90.6		20 - 150	04/08/25 14:54	04/09/25 11:43	1
M2-8:2 FTS	79.0		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C3 HFPO-DA	102		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d7-N-MeFOSE-M	57.7		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d9-N-EtFOSE-M	49.6		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d5-NEtPFOSA	76.9		20 - 150	04/08/25 14:54	04/09/25 11:43	1
d3-NMePFOSA	93.2		20 - 150	04/08/25 14:54	04/09/25 11:43	1
13C2-PFDoDA	86.8		20 - 150	04/08/25 14:54	04/09/25 11:43	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7560		20.6	5.6	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Antimony	0.79	J	1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Arsenic	6.9		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Barium	91.9		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Beryllium	1.2		0.41	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Cadmium	0.39	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Calcium	2190		103	41.9	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Chromium	29.9		2.1	0.93	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Cobalt	11.5		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Copper	101		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Iron	22800		61.7	20.8	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Lead	294		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Magnesium	1980		103	10.5	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Manganese	226		4.1	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Nickel	42.3		2.1	0.48	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Potassium	1080		103	16.7	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Selenium	0.49	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Silver	0.25	J	0.41	0.092	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Sodium	152		103	47.0	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Thallium	0.093	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Vanadium	23.4		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1
Zinc	270		8.2	3.1	mg/Kg	☼	04/09/25 07:50	04/10/25 00:58	1

Client Sample ID: 9B_0-5

Lab Sample ID: 460-323526-3
Date Collected: 04/02/25 12:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 92.6

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.017	0.0081	mg/Kg	☼	04/09/25 00:42	04/09/25 04:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	92.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9B_5-10

Lab Sample ID: 460-323526-4
Date Collected: 04/02/25 12:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**0.0099**	**J**	0.037	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Hexachlorobutadiene	0.075	U	0.075	0.0078	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1
Pyrene	**0.011**	**J**	0.37	0.0092	mg/Kg	☼	04/07/25 09:44	04/08/25 05:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/07/25 09:44*	*04/08/25 05:27*	*1*
2-Fluorobiphenyl	*77*		*38 - 128*	*04/07/25 09:44*	*04/08/25 05:27*	*1*
2-Fluorophenol (Surr)	*73*		*31 - 133*	*04/07/25 09:44*	*04/08/25 05:27*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*04/07/25 09:44*	*04/08/25 05:27*	*1*
Phenol-d5 (Surr)	*71*		*35 - 132*	*04/07/25 09:44*	*04/08/25 05:27*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*04/07/25 09:44*	*04/08/25 05:27*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:07*	*1*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:07*	*1*
Tetrachloro-m-xylene	*85*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:07*	*1*
Tetrachloro-m-xylene	*89*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:07*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:18*	*1*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:18*	*1*
Tetrachloro-m-xylene	*84*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:18*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:18*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorohexanoic acid (PFHxA)	**0.064**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoroheptanoic acid (PFHpA)	**0.061**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorooctanoic acid (PFOA)	**0.097**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorononanoic acid (PFNA)	**0.64**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorodecanoic acid (PFDA)	**0.56**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoroundecanoic acid (PFUnA)	**4.05**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid
Percent Solids: 89.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.45**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorotridecanoic acid (PFTrDA)	**3.31**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorotetradecanoic acid (PFTeDA)	**0.12**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorooctanesulfonic acid (PFOS)	**0.12**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.78**		0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorooctanesulfonamide (PFOSA)	**0.13**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	**0.055**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	**0.83**	**J**	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid
Percent Solids: 89.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 11:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*89.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C5 PFPeA	*99.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C5 PFHxA	*89.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C8 PFOA	*81.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C9 PFNA	*85.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C6 PFDA	*83.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C7 PFUnA	*138*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C2 PFTeDA	*83.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C3 PFBS	*85.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C3 PFHxS	*69.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C8 PFOS	*81.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C8 FOSA	*91.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d3-NMeFOSAA	*91.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d5-NEtFOSAA	*92.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
M2-4:2 FTS	*83.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
M2-6:2 FTS	*92.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
M2-8:2 FTS	*80.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C3 HFPO-DA	*94.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d7-N-MeFOSE-M	*66.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d9-N-EtFOSE-M	*59.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d5-NEtPFOSA	*71.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
d3-NMePFOSA	*84.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*
13C2-PFDoDA	*81.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 11:59*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6910**		20.7	5.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Antimony	**0.81**	**J**	1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Arsenic	**7.1**		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Barium	**84.3**		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Beryllium	**0.94**		0.41	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Cadmium	**0.36**	**J**	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Calcium	**2460**		103	42.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Chromium	**30.2**		2.1	0.94	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Cobalt	**14.1**		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Copper	**99.6**		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Iron	**21200**		62.0	20.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Lead	**283**		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Magnesium	**2230**		103	10.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Manganese	**230**		4.1	0.42	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Nickel	**51.7**		2.1	0.49	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Potassium	**1070**		103	16.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Selenium	**0.41**	**J**	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1

Client Sample ID: 9B_5-10

Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4

Matrix: Solid
Percent Solids: 89.6

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.24	J	0.41	0.092	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Sodium	127		103	47.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Thallium	0.084	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Vanadium	22.0		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1
Zinc	278		8.3	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.018	0.0085	mg/Kg	☼	04/09/25 00:42	04/09/25 04:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9C_0-5

Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5

Matrix: Solid
Percent Solids: 87.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Methylnaphthalene	0.012	J	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
4-Nitrophenol	0.76	U	0.76	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzaldehyde	0.38	U *	0.38	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzo[b]fluoranthene	**0.013**	**J**	0.038	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Naphthalene	**0.016**	**J**	0.38	0.0065	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1
Pyrene	**0.014**	**J**	0.38	0.0094	mg/Kg	☼	04/07/25 09:44	04/08/25 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*24 - 137*	*04/07/25 09:44*	*04/08/25 05:05*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*04/07/25 09:44*	*04/08/25 05:05*	*1*
2-Fluorophenol (Surr)	*76*		*31 - 133*	*04/07/25 09:44*	*04/08/25 05:05*	*1*
Nitrobenzene-d5 (Surr)	*75*		*31 - 120*	*04/07/25 09:44*	*04/08/25 05:05*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/07/25 09:44*	*04/08/25 05:05*	*1*
Terphenyl-d14 (Surr)	*89*		*44 - 147*	*04/07/25 09:44*	*04/08/25 05:05*	*1*

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:19*	*1*
DCB Decachlorobiphenyl	*90*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:19*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:19*	*1*
Tetrachloro-m-xylene	*103*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:19*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:35*	*1*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:35*	*1*
Tetrachloro-m-xylene	*82*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:35*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*04/06/25 08:47*	*04/06/25 20:35*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid
Percent Solids: 87.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**0.075**	**J**	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorohexanoic acid (PFHxA)	**0.058**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoroheptanoic acid (PFHpA)	**0.098**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorooctanoic acid (PFOA)	**0.35**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorononanoic acid (PFNA)	**3.16**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorodecanoic acid (PFDA)	**1.0**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoroundecanoic acid (PFUnA)	**3.09**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorododecanoic acid (PFDoA)	**0.25**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorotridecanoic acid (PFTrDA)	**1.90**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorotetradecanoic acid (PFTeDA)	**0.066**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.14**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.24**	**J**	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorooctanesulfonamide (PFOSA)	**0.070**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid
Percent Solids: 87.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 12:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*118*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C5 PFPeA	*127*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C5 PFHxA	*116*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C4 PFHpA	*137*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C8 PFOA	*108*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C9 PFNA	*117*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C6 PFDA	*115*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C7 PFUnA	*190*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C2 PFTeDA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C3 PFBS	*117*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C3 PFHxS	*95.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C8 PFOS	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C8 FOSA	*133*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d3-NMeFOSAA	*130*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d5-NEtFOSAA	*138*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
M2-4:2 FTS	*143*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
M2-6:2 FTS	*156*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
M2-8:2 FTS	*143*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C3 HFPO-DA	*121*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d7-N-MeFOSE-M	*76.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d9-N-EtFOSE-M	*67.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d5-NEtPFOSA	*86.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
d3-NMePFOSA	*106*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*
13C2-PFDoDA	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:16*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10500**		21.1	5.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Antimony	**0.84**	**J**	1.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Arsenic	**14.4**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Barium	**76.0**		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Beryllium	**1.9**		0.42	0.060	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Cadmium	**0.48**	**J**	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Calcium	**1560**		105	42.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Chromium	**175**		2.1	0.96	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Cobalt	**10.5**		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Copper	**93.4**		2.1	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1

Client Sample ID: 9C_0-5

Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5

Matrix: Solid
Percent Solids: 87.1

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	45100		63.2	21.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Lead	288		0.63	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Magnesium	2340		105	10.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Manganese	302		4.2	0.42	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Nickel	36.0		2.1	0.50	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Potassium	1280		105	17.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Selenium	0.90	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Silver	0.18	J	0.42	0.094	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Sodium	103	J	105	48.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Thallium	0.10	J	0.42	0.043	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Vanadium	43.2		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1
Zinc	203		8.4	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	J	0.019	0.0089	mg/Kg	☼	04/09/25 00:42	04/09/25 04:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.9		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.1		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9C_5-10

Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6

Matrix: Solid
Percent Solids: 83.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.39	U	0.39	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
1,2,4,5-Tetrachlorobenzene	0.39	U	0.39	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,2'-oxybis[1-chloropropane]	0.39	U	0.39	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,3,4,6-Tetrachlorophenol	0.39	U	0.39	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4,5-Trichlorophenol	0.39	U	0.39	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4,6-Trichlorophenol	0.16	U	0.16	0.050	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4-Dichlorophenol	0.16	U	0.16	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4-Dimethylphenol	0.39	U	0.39	0.047	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4-Dinitrophenol	0.32	U	0.32	0.19	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,4-Dinitrotoluene	0.080	U	0.080	0.042	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2,6-Dinitrotoluene	0.080	U	0.080	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Chloronaphthalene	0.39	U	0.39	0.051	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Chlorophenol	0.39	U	0.39	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Methylnaphthalene	0.025	J	0.39	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Nitroaniline	0.39	U	0.39	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
2-Nitrophenol	0.39	U	0.39	0.039	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
3 & 4 Methylphenol	0.39	U	0.39	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
3,3'-Dichlorobenzidine	0.16	U	0.16	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
3-Nitroaniline	0.39	U	0.39	0.093	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4,6-Dinitro-2-methylphenol	0.32	U	0.32	0.16	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid
Percent Solids: 83.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.39	U	0.39	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Chloro-3-methylphenol	0.39	U	0.39	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Chloroaniline	0.39	U	0.39	0.070	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Chlorophenyl phenyl ether	0.39	U	0.39	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Methylphenol	0.39	U	0.39	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Nitroaniline	0.39	U	0.39	0.10	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
4-Nitrophenol	0.80	U	0.80	0.064	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Acenaphthene	0.39	U	0.39	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Acenaphthylene	0.39	U	0.39	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Acetophenone	0.39	U	0.39	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Anthracene	0.39	U	0.39	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Atrazine	0.16	U *	0.16	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzaldehyde	0.39	U *	0.39	0.065	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzo[a]anthracene	0.039	U	0.039	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzo[a]pyrene	0.039	U	0.039	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzo[b]fluoranthene	**0.012**	**J**	0.039	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzo[g,h,i]perylene	0.39	U	0.39	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Benzo[k]fluoranthene	0.039	U	0.039	0.0077	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Bis(2-chloroethoxy)methane	0.39	U	0.39	0.073	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Bis(2-chloroethyl)ether	0.039	U	0.039	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Bis(2-ethylhexyl) phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Butyl benzyl phthalate	0.39	U	0.39	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Caprolactam	0.39	U *	0.39	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Carbazole	0.39	U	0.39	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Chrysene	0.39	U	0.39	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Dibenz(a,h)anthracene	0.039	U	0.039	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Dibenzofuran	0.39	U	0.39	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Diethyl phthalate	0.39	U	0.39	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Dimethyl phthalate	0.39	U	0.39	0.089	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Di-n-butyl phthalate	**0.050**	**J**	0.39	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Di-n-octyl phthalate	0.39	U	0.39	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Fluoranthene	0.39	U	0.39	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Fluorene	0.39	U	0.39	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Hexachlorobutadiene	0.080	U	0.080	0.0084	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Hexachlorocyclopentadiene	0.39	U	0.39	0.034	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Hexachloroethane	0.039	U	0.039	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Indeno[1,2,3-cd]pyrene	0.039	U	0.039	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Isophorone	0.16	U	0.16	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Naphthalene	**0.039**	**J**	0.39	0.0068	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Nitrobenzene	0.039	U	0.039	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
N-Nitrosodi-n-propylamine	0.039	U	0.039	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
N-Nitrosodiphenylamine	0.39	U	0.39	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Pentachlorophenol	0.32	U	0.32	0.081	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Phenanthrene	**0.030**	**J**	0.39	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1
Pyrene	**0.016**	**J**	0.39	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 137*	*04/07/25 09:44*	*04/08/25 04:43*	*1*

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid
Percent Solids: 83.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*96*		*38 - 128*	*04/07/25 09:44*	*04/08/25 04:43*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*04/07/25 09:44*	*04/08/25 04:43*	*1*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*	*04/07/25 09:44*	*04/08/25 04:43*	*1*
Phenol-d5 (Surr)	*93*		*35 - 132*	*04/07/25 09:44*	*04/08/25 04:43*	*1*
Terphenyl-d14 (Surr)	*106*		*44 - 147*	*04/07/25 09:44*	*04/08/25 04:43*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0080	U	0.0080	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
4,4'-DDE	0.0080	U	0.0080	0.00094	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
4,4'-DDT	0.0080	U	0.0080	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Aldrin	0.0080	U	0.0080	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
alpha-BHC	0.0024	U	0.0024	0.00081	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
beta-BHC	0.0024	U	0.0024	0.00089	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Chlordane (technical)	0.080	U	0.080	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
cis-Chlordane	0.0080	U	0.0080	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
delta-BHC	0.0024	U	0.0024	0.00049	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Dieldrin	0.0024	U	0.0024	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endosulfan I	0.0080	U	0.0080	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endosulfan II	0.0080	U	0.0080	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endosulfan sulfate	0.0080	U	0.0080	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endrin	0.0080	U	0.0080	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endrin aldehyde	0.0080	U	0.0080	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Endrin ketone	0.0080	U	0.0080	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
gamma-BHC (Lindane)	0.0024	U	0.0024	0.00074	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Heptachlor	0.0080	U	0.0080	0.00094	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Heptachlor epoxide	0.0080	U	0.0080	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Methoxychlor	0.0080	U	0.0080	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1
Toxaphene	0.080	U	0.080	0.029	mg/Kg	☼	04/06/25 08:42	04/06/25 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*122*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:31*	*1*
DCB Decachlorobiphenyl	*107*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:31*	*1*
Tetrachloro-m-xylene	*120*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:31*	*1*
Tetrachloro-m-xylene	*125*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1221	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1232	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1242	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1248	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1254	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1260	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor-1262	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Aroclor 1268	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1
Polychlorinated biphenyls, Total	0.080	U	0.080	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 20:51	1

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid
Percent Solids: 83.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		20 - 150	04/06/25 08:47	04/06/25 20:51	1
DCB Decachlorobiphenyl	112		20 - 150	04/06/25 08:47	04/06/25 20:51	1
Tetrachloro-m-xylene	123		20 - 150	04/06/25 08:47	04/06/25 20:51	1
Tetrachloro-m-xylene	151	*	20 - 150	04/06/25 08:47	04/06/25 20:51	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoropentanoic acid (PFPeA)	0.30	U	0.30	0.074	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorohexanoic acid (PFHxA)	**0.053**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoroheptanoic acid (PFHpA)	**0.058**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorononanoic acid (PFNA)	**1.07**		0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorodecanoic acid (PFDA)	**0.32**		0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoroundecanoic acid (PFUnA)	**4.32**		0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorododecanoic acid (PFDoA)	**0.23**		0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorotridecanoic acid (PFTrDA)	**2.43**		0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorotetradecanoic acid (PFTeDA)	**0.081**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorooctanesulfonic acid (PFOS)	**0.076**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.58**	**J**	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.49	U	1.49	0.37	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.49	U	1.49	0.37	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid
Percent Solids: 83.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.30	U	0.30	0.074	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.30	U	0.30	0.074	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.60	U	0.60	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.30	U	0.30	0.074	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.74	U	0.74	0.19	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.72	U	3.72	0.93	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.72	U	3.72	0.93	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.30	U	0.30	0.074	ug/Kg	☼	04/08/25 14:54	04/09/25 12:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*82.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C5 PFPeA	*92.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C5 PFHxA	*82.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C4 PFHpA	*99.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C8 PFOA	*76.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C9 PFNA	*79.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C6 PFDA	*78.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C7 PFUnA	*133*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C2 PFTeDA	*69.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C3 PFBS	*77.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C3 PFHxS	*64.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C8 PFOS	*75.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C8 FOSA	*86.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d3-NMeFOSAA	*83.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d5-NEtFOSAA	*87.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
M2-4:2 FTS	*80.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
M2-6:2 FTS	*98.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
M2-8:2 FTS	*78.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C3 HFPO-DA	*90.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d7-N-MeFOSE-M	*68.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d9-N-EtFOSE-M	*60.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d5-NEtPFOSA	*68.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
d3-NMePFOSA	*80.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*
13C2-PFDoDA	*74.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:32*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10200**		21.7	5.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Antimony	**0.98**	**J**	1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Arsenic	**7.8**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1

Client Sample ID: 9C_5-10

Lab Sample ID: 460-323526-6

Date Collected: 04/02/25 13:10

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 83.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	100		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Beryllium	1.5		0.43	0.062	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Cadmium	0.44	J	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Calcium	2810		108	44.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Chromium	33.9		2.2	0.98	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Cobalt	12.5		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Copper	113		2.2	0.40	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Iron	26600		65.0	21.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Lead	380		0.65	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Magnesium	2550		108	11.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Manganese	244		4.3	0.44	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Nickel	56.7		2.2	0.51	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Potassium	1410		108	17.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Selenium	0.52	J	1.4	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Silver	0.28	J	0.43	0.096	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Sodium	163		108	49.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Thallium	0.11	J	0.43	0.044	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Vanadium	28.7		2.2	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1
Zinc	355		8.7	3.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:06	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.019	0.0088	mg/Kg	☼	04/09/25 00:42	04/09/25 04:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	16.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	83.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9D_0-5

Lab Sample ID: 460-323526-7

Date Collected: 04/02/25 13:20

Matrix: Solid

Date Received: 04/03/25 12:11

Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
3 & 4 Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
3-Nitroaniline	0.38	U	0.38	0.089	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Nitroaniline	0.38	U	0.38	0.095	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzaldehyde	0.38	U *	0.38	0.062	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0097	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	04/07/25 09:44	04/07/25 23:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 137*	*04/07/25 09:44*	*04/07/25 23:33*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*04/07/25 09:44*	*04/07/25 23:33*	*1*
2-Fluorophenol (Surr)	*78*		*31 - 133*	*04/07/25 09:44*	*04/07/25 23:33*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/07/25 09:44*	*04/07/25 23:33*	*1*
Phenol-d5 (Surr)	*77*		*35 - 132*	*04/07/25 09:44*	*04/07/25 23:33*	*1*
Terphenyl-d14 (Surr)	*91*		*44 - 147*	*04/07/25 09:44*	*04/07/25 23:33*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*104*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:44*	*1*
DCB Decachlorobiphenyl	*87*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:44*	*1*
Tetrachloro-m-xylene	*108*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:44*	*1*
Tetrachloro-m-xylene	*105*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:44*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:08*	*1*
DCB Decachlorobiphenyl	*83*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:08*	*1*
Tetrachloro-m-xylene	*90*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:08*	*1*
Tetrachloro-m-xylene	*110*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:08*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorononanoic acid (PFNA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorodecanoic acid (PFDA)	**0.11**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoroundecanoic acid (PFUnA)	**0.53**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorododecanoic acid (PFDoA)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorotridecanoic acid (PFTrDA)	**0.73**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 12:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C5 PFPeA	*99.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C5 PFHxA	*86.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C8 PFOA	*81.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C9 PFNA	*88.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C6 PFDA	*83.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C7 PFUnA	*136*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C2 PFTeDA	*81.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C3 PFBS	*82.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C3 PFHxS	*70.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C8 PFOS	*82.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C8 FOSA	*88.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d3-NMeFOSAA	*86.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d5-NEtFOSAA	*92.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
M2-4:2 FTS	*77.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
M2-6:2 FTS	*79.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
M2-8:2 FTS	*73.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
13C3 HFPO-DA	*98.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d7-N-MeFOSE-M	*63.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d9-N-EtFOSE-M	*58.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d5-NEtPFOSA	*71.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*
d3-NMePFOSA	*84.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 12:49*	*1*

Client Sample ID: 9D_0-5

Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7

Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	79.0		20 - 150	04/08/25 14:54	04/09/25 12:49	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8060		21.1	5.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Antimony	10.3		1.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Arsenic	8.7		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Barium	73.8		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Beryllium	0.72		0.42	0.060	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Cadmium	0.18	J	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Calcium	2380		106	42.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Chromium	19.4		2.1	0.96	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Cobalt	11.9		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Copper	980		2.1	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Iron	21600		63.3	21.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Lead	157		0.63	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Magnesium	3180		106	10.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Manganese	380		4.2	0.43	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Nickel	243		2.1	0.50	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Potassium	1310		106	17.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Selenium	1.8		1.3	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Silver	1.8		0.42	0.094	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Sodium	110		106	48.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Thallium	0.12	J	0.42	0.043	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Vanadium	22.7		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1
Zinc	123		8.4	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.018	0.0085	mg/Kg	☼	04/09/25 00:42	04/09/25 04:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 9D_5-10

Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8

Matrix: Solid
Percent Solids: 87.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,4-Dimethylphenol	0.37	U	0.37	0.045	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Nitroaniline	0.37	U	0.37	0.029	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
2-Nitrophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
3-Nitroaniline	0.37	U	0.37	0.089	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Chloroaniline	0.37	U	0.37	0.067	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Nitroaniline	0.37	U	0.37	0.095	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzo[a]pyrene	0.037	U	0.037	0.010	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0097	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0074	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Dibenzofuran	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Di-n-butyl phthalate	**0.025**	**J**	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1
Pyrene	0.37	U	0.37	0.0093	mg/Kg	☼	04/07/25 09:44	04/07/25 23:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*24 - 137*	*04/07/25 09:44*	*04/07/25 23:55*	*1*
2-Fluorobiphenyl	*100*		*38 - 128*	*04/07/25 09:44*	*04/07/25 23:55*	*1*
2-Fluorophenol (Surr)	*99*		*31 - 133*	*04/07/25 09:44*	*04/07/25 23:55*	*1*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*	*04/07/25 09:44*	*04/07/25 23:55*	*1*
Phenol-d5 (Surr)	*97*		*35 - 132*	*04/07/25 09:44*	*04/07/25 23:55*	*1*
Terphenyl-d14 (Surr)	*111*		*44 - 147*	*04/07/25 09:44*	*04/07/25 23:55*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:56*	*1*
DCB Decachlorobiphenyl	*77*		*17 - 150*	*04/06/25 08:42*	*04/06/25 20:56*	*1*
Tetrachloro-m-xylene	*94*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:56*	*1*
Tetrachloro-m-xylene	*94*		*21 - 150*	*04/06/25 08:42*	*04/06/25 20:56*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:24*	*1*
DCB Decachlorobiphenyl	*81*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:24*	*1*
Tetrachloro-m-xylene	*90*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:24*	*1*
Tetrachloro-m-xylene	*109*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:24*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorohexanoic acid (PFHxA)	**0.037**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorooctanoic acid (PFOA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorononanoic acid (PFNA)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorodecanoic acid (PFDA)	**0.12**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoroundecanoic acid (PFUnA)	**0.46**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorododecanoic acid (PFDoA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorotridecanoic acid (PFTrDA)	**0.67**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorotetradecanoic acid (PFTeDA)	**0.040**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorooctanesulfonic acid (PFOS)	**0.048**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorooctanesulfonamide (PFOSA)	**0.054**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid
Percent Solids: 87.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	**0.61**	**J**	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.54	U	3.54	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.54	U	3.54	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 13:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C5 PFHxA	*90.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C4 PFHpA	*116*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C8 PFOA	*83.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C9 PFNA	*90.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C6 PFDA	*88.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C7 PFUnA	*144*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C2 PFTeDA	*80.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C3 PFBS	*89.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C3 PFHxS	*74.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C8 PFOS	*84.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
13C8 FOSA	*91.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
d3-NMeFOSAA	*86.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
d5-NEtFOSAA	*86.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
M2-4:2 FTS	*82.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*
M2-6:2 FTS	*82.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:39*	*1*

Client Sample ID: 9D_5-10

Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8

Matrix: Solid
Percent Solids: 87.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-8:2 FTS	78.8		20 - 150	04/08/25 14:54	04/09/25 13:39	1
13C3 HFPO-DA	99.2		20 - 150	04/08/25 14:54	04/09/25 13:39	1
d7-N-MeFOSE-M	63.4		20 - 150	04/08/25 14:54	04/09/25 13:39	1
d9-N-EtFOSE-M	56.3		20 - 150	04/08/25 14:54	04/09/25 13:39	1
d5-NEtPFOSA	69.9		20 - 150	04/08/25 14:54	04/09/25 13:39	1
d3-NMePFOSA	85.1		20 - 150	04/08/25 14:54	04/09/25 13:39	1
13C2-PFDoDA	81.5		20 - 150	04/08/25 14:54	04/09/25 13:39	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7410		20.7	5.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Antimony	0.42	J	1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Arsenic	5.7		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Barium	80.8		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Beryllium	1.2		0.41	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Cadmium	0.18	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Calcium	5030		103	42.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Chromium	30.7		2.1	0.94	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Cobalt	10.6		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Copper	53.4		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Iron	23300		62.0	20.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Lead	120		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Magnesium	4100		103	10.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Manganese	544		4.1	0.42	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Nickel	31.3		2.1	0.49	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Potassium	1180		103	16.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Selenium	0.17	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Silver	0.11	J	0.41	0.092	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Sodium	111		103	47.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Thallium	0.12	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Vanadium	59.7		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1
Zinc	164		8.3	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.019	0.0091	mg/Kg	☼	04/09/25 00:42	04/09/25 04:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10A_0-4

Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1

Client Sample ID: 10A_0-4
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
3 & 4 Methylphenol	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
3-Nitroaniline	0.38	U	0.38	0.089	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Nitroaniline	0.38	U	0.38	0.095	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Acetophenone	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzaldehyde	0.38	U *	0.38	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0097	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.069	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Dimethyl phthalate	0.38	U	0.38	0.085	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Di-n-butyl phthalate	**0.024**	**J**	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1

Client Sample ID: 10A_0-4

Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Fluoranthene	**0.017**	**J**	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1
Pyrene	**0.018**	**J**	0.38	0.0094	mg/Kg	☼	04/07/25 09:44	04/08/25 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*24 - 137*	*04/07/25 09:44*	*04/08/25 00:39*	*1*
2-Fluorobiphenyl	*81*		*38 - 128*	*04/07/25 09:44*	*04/08/25 00:39*	*1*
2-Fluorophenol (Surr)	*79*		*31 - 133*	*04/07/25 09:44*	*04/08/25 00:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*31 - 120*	*04/07/25 09:44*	*04/08/25 00:39*	*1*
Phenol-d5 (Surr)	*78*		*35 - 132*	*04/07/25 09:44*	*04/08/25 00:39*	*1*
Terphenyl-d14 (Surr)	*92*		*44 - 147*	*04/07/25 09:44*	*04/08/25 00:39*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Aldrin	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endosulfan sulfate	0.0076	U	0.0076	0.00096	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1
Toxaphene	0.076	U	0.076	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 21:08	1

Client Sample ID: 10A_0-4

Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9

Matrix: Solid
Percent Solids: 87.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*120*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:08*	*1*
DCB Decachlorobiphenyl	*99*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:08*	*1*
Tetrachloro-m-xylene	*123*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:08*	*1*
Tetrachloro-m-xylene	*119*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:08*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:41*	*1*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:41*	*1*
Tetrachloro-m-xylene	*83*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:41*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:41*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorooctanoic acid (PFOA)	**0.048**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorononanoic acid (PFNA)	**0.15**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorodecanoic acid (PFDA)	**0.093**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoroundecanoic acid (PFUnA)	**0.37**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorododecanoic acid (PFDoA)	**0.26**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorotridecanoic acid (PFTrDA)	**1.34**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorotetradecanoic acid (PFTeDA)	**0.064**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorooctanesulfonic acid (PFOS)	**0.052**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1

Client Sample ID: 10A_0-4
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9
Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.30**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorooctanesulfonamide (PFOSA)	**0.046**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.52	U	3.52	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 13:55	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C5 PFHxA	*95.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C4 PFHpA	*119*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C8 PFOA	*84.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C9 PFNA	*93.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C6 PFDA	*88.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C7 PFUnA	*146*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C2 PFTeDA	*82.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*
13C3 PFBS	*93.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 13:55*	*1*

Client Sample ID: 10A_0-4

Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9

Matrix: Solid
Percent Solids: 87.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	75.6		20 - 150	04/08/25 14:54	04/09/25 13:55	1
13C8 PFOS	87.6		20 - 150	04/08/25 14:54	04/09/25 13:55	1
13C8 FOSA	92.0		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d3-NMeFOSAA	90.3		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d5-NEtFOSAA	89.2		20 - 150	04/08/25 14:54	04/09/25 13:55	1
M2-4:2 FTS	81.4		20 - 150	04/08/25 14:54	04/09/25 13:55	1
M2-6:2 FTS	88.9		20 - 150	04/08/25 14:54	04/09/25 13:55	1
M2-8:2 FTS	81.3		20 - 150	04/08/25 14:54	04/09/25 13:55	1
13C3 HFPO-DA	101		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d7-N-MeFOSE-M	69.1		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d9-N-EtFOSE-M	62.2		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d5-NEtPFOSA	69.9		20 - 150	04/08/25 14:54	04/09/25 13:55	1
d3-NMePFOSA	83.7		20 - 150	04/08/25 14:54	04/09/25 13:55	1
13C2-PFDoDA	83.2		20 - 150	04/08/25 14:54	04/09/25 13:55	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7360		21.5	5.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Antimony	0.41	J	1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Arsenic	4.9		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Barium	69.6		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Beryllium	0.64		0.43	0.061	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Cadmium	0.20	J	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Calcium	2410		107	43.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Chromium	17.3		2.1	0.98	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Cobalt	7.6		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Copper	37.9		2.1	0.40	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Iron	16700		64.5	21.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Lead	107		0.64	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Magnesium	3530		107	11.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Manganese	336		4.3	0.43	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Nickel	19.7		2.1	0.50	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Potassium	1320		107	17.4	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Selenium	0.15	J	1.3	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Silver	0.13	J	0.43	0.096	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Sodium	94.2	J	107	49.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Thallium	0.10	J	0.43	0.044	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Vanadium	21.5		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1
Zinc	91.9		8.6	3.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:13	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.017	0.0082	mg/Kg	☼	04/09/25 00:42	04/09/25 04:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	12.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
4-Nitrophenol	0.75	U	0.75	0.060	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzo[a]pyrene	0.037	U	0.037	0.0099	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0096	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Di-n-butyl phthalate	**0.030**	**J**	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1
Pyrene	**0.011**	**J**	0.37	0.0092	mg/Kg	☼	04/07/25 09:44	04/08/25 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*	*04/07/25 09:44*	*04/08/25 00:17*	*1*
2-Fluorobiphenyl	*103*		*38 - 128*	*04/07/25 09:44*	*04/08/25 00:17*	*1*
2-Fluorophenol (Surr)	*101*		*31 - 133*	*04/07/25 09:44*	*04/08/25 00:17*	*1*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*	*04/07/25 09:44*	*04/08/25 00:17*	*1*
Phenol-d5 (Surr)	*100*		*35 - 132*	*04/07/25 09:44*	*04/08/25 00:17*	*1*
Terphenyl-d14 (Surr)	*118*		*44 - 147*	*04/07/25 09:44*	*04/08/25 00:17*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
beta-BHC	0.0022	U	0.0022	0.00084	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endosulfan sulfate	0.0075	U	0.0075	0.00094	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Endrin ketone	0.0075	U	0.0075	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:20*	*1*
DCB Decachlorobiphenyl	*87*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:20*	*1*
Tetrachloro-m-xylene	*109*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:20*	*1*
Tetrachloro-m-xylene	*105*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:58*	*1*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:58*	*1*
Tetrachloro-m-xylene	*94*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:58*	*1*
Tetrachloro-m-xylene	*109*		*20 - 150*	*04/06/25 08:47*	*04/06/25 21:58*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoropentanoic acid (PFPeA)	**0.23**	**J**	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorohexanoic acid (PFHxA)	**0.16**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorooctanoic acid (PFOA)	**0.15**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorononanoic acid (PFNA)	**0.50**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorodecanoic acid (PFDA)	**0.80**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoroundecanoic acid (PFUnA)	**1.86**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorododecanoic acid (PFDoA)	**0.62**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorotridecanoic acid (PFTrDA)	**3.48**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorotetradecanoic acid (PFTeDA)	**0.19**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.051**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.16**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.29**		0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorooctanesulfonamide (PFOSA)	**0.039**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.46	U	3.46	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.46	U	3.46	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 14:12	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*83.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*
13C5 PFPeA	*91.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*
13C5 PFHxA	*85.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*
13C4 PFHpA	*104*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*
13C8 PFOA	*75.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*
13C9 PFNA	*80.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:12*	*1*

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C6 PFDA	78.1		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C7 PFUnA	130		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C2 PFTeDA	67.7		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C3 PFBS	78.3		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C3 PFHxS	64.4		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C8 PFOS	74.3		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C8 FOSA	83.2		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d3-NMeFOSAA	77.2		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d5-NEtFOSAA	79.4		20 - 150	04/08/25 14:54	04/09/25 14:12	1
M2-4:2 FTS	73.3		20 - 150	04/08/25 14:54	04/09/25 14:12	1
M2-6:2 FTS	74.1		20 - 150	04/08/25 14:54	04/09/25 14:12	1
M2-8:2 FTS	70.7		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C3 HFPO-DA	91.2		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d7-N-MeFOSE-M	63.9		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d9-N-EtFOSE-M	58.5		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d5-NEtPFOSA	66.6		20 - 150	04/08/25 14:54	04/09/25 14:12	1
d3-NMePFOSA	82.5		20 - 150	04/08/25 14:54	04/09/25 14:12	1
13C2-PFDoDA	73.8		20 - 150	04/08/25 14:54	04/09/25 14:12	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7790		21.0	5.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Antimony	0.17	J	1.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Arsenic	4.3		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Barium	79.6		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Beryllium	0.63		0.42	0.060	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Cadmium	1.1	U	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Calcium	1840		105	42.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Chromium	18.1		2.1	0.95	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Cobalt	7.8		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Copper	22.5		2.1	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Iron	18300		63.0	21.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Lead	27.9		0.63	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Magnesium	3650		105	10.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Manganese	438		4.2	0.42	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Nickel	17.6		2.1	0.49	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Potassium	1540		105	17.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Selenium	1.3	U	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Silver	0.42	U	0.42	0.093	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Sodium	98.8	J	105	48.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Thallium	0.12	J	0.42	0.043	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Vanadium	23.5		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1
Zinc	50.2		8.4	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	J	0.018	0.0087	mg/Kg	☼	04/09/25 00:42	04/09/25 04:34	1

Client Sample ID: 10A_4-8

Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10

Matrix: Solid
Percent Solids: 89.0

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.0**		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	**89.0**		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10B_0-6

Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4-Dimethylphenol	0.37	U	0.37	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Nitroaniline	0.37	U	0.37	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
2-Nitrophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
3-Nitroaniline	0.37	U	0.37	0.089	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Chloroaniline	0.37	U	0.37	0.067	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Nitroaniline	0.37	U	0.37	0.095	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzo[a]pyrene	**0.012**	**J**	0.037	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzo[b]fluoranthene	**0.016**	**J**	0.037	0.0097	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0074	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1

Client Sample ID: 10B_0-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Dibenzofuran	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Di-n-butyl phthalate	**0.023**	**J**	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Fluoranthene	**0.015**	**J**	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Phenanthrene	**0.016**	**J**	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1
Pyrene	**0.019**	**J**	0.37	0.0093	mg/Kg	☼	04/07/25 09:44	04/08/25 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/07/25 09:44*	*04/08/25 01:01*	*1*
2-Fluorobiphenyl	*79*		*38 - 128*	*04/07/25 09:44*	*04/08/25 01:01*	*1*
2-Fluorophenol (Surr)	*76*		*31 - 133*	*04/07/25 09:44*	*04/08/25 01:01*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/07/25 09:44*	*04/08/25 01:01*	*1*
Phenol-d5 (Surr)	*75*		*35 - 132*	*04/07/25 09:44*	*04/08/25 01:01*	*1*
Terphenyl-d14 (Surr)	*87*		*44 - 147*	*04/07/25 09:44*	*04/08/25 01:01*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
4,4'-DDE	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Dieldrin	0.0023	U	0.0023	0.00099	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1

Client Sample ID: 10B_0-6

Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0076	U	0.0076	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Heptachlor	0.0076	U	0.0076	0.00090	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:33*	*1*
DCB Decachlorobiphenyl	*82*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:33*	*1*
Tetrachloro-m-xylene	*94*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:33*	*1*
Tetrachloro-m-xylene	*93*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:33*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:14*	*1*
DCB Decachlorobiphenyl	*82*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:14*	*1*
Tetrachloro-m-xylene	*88*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:14*	*1*
Tetrachloro-m-xylene	*106*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:14*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoropentanoic acid (PFPeA)	**0.12**	**J**	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorohexanoic acid (PFHxA)	**0.087**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoroheptanoic acid (PFHpA)	**0.10**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorooctanoic acid (PFOA)	**0.18**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorononanoic acid (PFNA)	**0.95**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorodecanoic acid (PFDA)	**0.52**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoroundecanoic acid (PFUnA)	**5.49**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorododecanoic acid (PFDoA)	**0.52**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorotridecanoic acid (PFTrDA)	**8.83**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1

Client Sample ID: 10B_0-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11
Matrix: Solid
Percent Solids: 88.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.14**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorooctanesulfonic acid (PFOS)	**0.063**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.14**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.41	U	1.41	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.71	U	0.71	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.53	U	3.53	0.88	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.071	ug/Kg	☼	04/08/25 14:54	04/09/25 14:29	1

Client Sample ID: 10B_0-6

Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11

Matrix: Solid
Percent Solids: 88.2

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.9		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C5 PFPeA	104		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C5 PFHxA	94.0		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C4 PFHpA	113		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C8 PFOA	80.6		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C9 PFNA	91.7		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C6 PFDA	89.0		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C7 PFUnA	149		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C2 PFTeDA	83.7		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C3 PFBS	91.2		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C3 PFHxS	72.2		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C8 PFOS	83.7		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C8 FOSA	95.1		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d3-NMeFOSAA	94.4		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d5-NEtFOSAA	96.0		20 - 150	04/08/25 14:54	04/09/25 14:29	1
M2-4:2 FTS	86.1		20 - 150	04/08/25 14:54	04/09/25 14:29	1
M2-6:2 FTS	94.5		20 - 150	04/08/25 14:54	04/09/25 14:29	1
M2-8:2 FTS	82.6		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C3 HFPO-DA	103		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d7-N-MeFOSE-M	69.5		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d9-N-EtFOSE-M	61.2		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d5-NEtPFOSA	74.7		20 - 150	04/08/25 14:54	04/09/25 14:29	1
d3-NMePFOSA	88.6		20 - 150	04/08/25 14:54	04/09/25 14:29	1
13C2-PFDoDA	86.4		20 - 150	04/08/25 14:54	04/09/25 14:29	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13300		20.3	5.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Antimony	1.4		1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Arsenic	12.0		1.0	0.10	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Barium	87.5		2.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Beryllium	0.97		0.41	0.058	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Cadmium	1.0		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Calcium	3280		101	41.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Chromium	40.9		2.0	0.92	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Cobalt	13.6		2.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Copper	96.0		2.0	0.37	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Iron	32000		60.8	20.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Lead	542		0.61	0.20	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Magnesium	5060		101	10.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Manganese	424		4.1	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Nickel	35.6		2.0	0.48	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Potassium	1730		101	16.4	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Selenium	0.44	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Silver	0.61		0.41	0.090	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Sodium	160		101	46.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Thallium	0.19	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Vanadium	43.8		2.0	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1
Zinc	294		8.1	3.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:23	1

Client Sample ID: 10B_0-6

Lab Sample ID: 460-323526-11
Date Collected: 04/02/25 08:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.046**		0.019	0.0089	mg/Kg	☼	04/09/25 00:42	04/09/25 04:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.8**		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	**88.2**		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10B_6-12

Lab Sample ID: 460-323526-12
Date Collected: 04/02/25 09:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Methylnaphthalene	**0.011**	**J**	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1

Client Sample ID: 10B_6-12

Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12

Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**0.014**	**J**	0.038	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Benzo[g,h,i]perylene	**0.020**	**J**	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Di-n-butyl phthalate	**0.026**	**J**	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1
Pyrene	**0.018**	**J**	0.38	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 01:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 137*	*04/07/25 09:44*	*04/08/25 01:24*	*1*
2-Fluorobiphenyl	*92*		*38 - 128*	*04/07/25 09:44*	*04/08/25 01:24*	*1*
2-Fluorophenol (Surr)	*90*		*31 - 133*	*04/07/25 09:44*	*04/08/25 01:24*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*04/07/25 09:44*	*04/08/25 01:24*	*1*
Phenol-d5 (Surr)	*86*		*35 - 132*	*04/07/25 09:44*	*04/08/25 01:24*	*1*
Terphenyl-d14 (Surr)	*106*		*44 - 147*	*04/07/25 09:44*	*04/08/25 01:24*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1

Client Sample ID: 10B_6-12
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:45*	*1*
DCB Decachlorobiphenyl	*80*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:45*	*1*
Tetrachloro-m-xylene	*97*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:45*	*1*
Tetrachloro-m-xylene	*97*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:45*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1221	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1232	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1242	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1248	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1254	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1260	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor-1262	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Aroclor 1268	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.021	mg/Kg	☼	04/06/25 08:47	04/06/25 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:31*	*1*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:31*	*1*
Tetrachloro-m-xylene	*96*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:31*	*1*
Tetrachloro-m-xylene	*112*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:31*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoropentanoic acid (PFPeA)	**0.20**	**J**	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorohexanoic acid (PFHxA)	**0.16**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoroheptanoic acid (PFHpA)	**0.12**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorooctanoic acid (PFOA)	**0.26**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorononanoic acid (PFNA)	**1.30**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorodecanoic acid (PFDA)	**0.34**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoroundecanoic acid (PFUnA)	**2.40**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1

Client Sample ID: 10B_6-12
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.73**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorotridecanoic acid (PFTrDA)	**10.0**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorotetradecanoic acid (PFTeDA)	**0.28**		0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.64**		0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorooctanesulfonamide (PFOSA)	**0.036**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.43	U	1.43	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.57	U	0.57	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1

Client Sample ID: 10B_6-12
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.59	U	3.59	0.90	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:54	04/09/25 14:45	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C5 PFPeA	*97.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C5 PFHxA	*85.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C4 PFHpA	*104*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C8 PFOA	*80.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C9 PFNA	*88.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C6 PFDA	*87.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C7 PFUnA	*143*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C2 PFTeDA	*79.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C3 PFBS	*84.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C3 PFHxS	*68.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C8 PFOS	*78.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C8 FOSA	*91.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d3-NMeFOSAA	*86.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d5-NEtFOSAA	*93.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
M2-4:2 FTS	*83.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
M2-6:2 FTS	*95.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
M2-8:2 FTS	*76.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C3 HFPO-DA	*96.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d7-N-MeFOSE-M	*77.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d9-N-EtFOSE-M	*69.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d5-NEtPFOSA	*71.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
d3-NMePFOSA	*84.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*
13C2-PFDoDA	*79.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 14:45*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8920**		21.4	5.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Antimony	**1.0**	**J**	1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Arsenic	**8.5**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Barium	**73.5**		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Beryllium	**0.81**		0.43	0.061	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Cadmium	**0.74**	**J**	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Calcium	**1910**		107	43.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Chromium	**35.8**		2.1	0.97	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Cobalt	**10**		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Copper	**70.8**		2.1	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Iron	**24100**		64.1	21.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Lead	**397**		0.64	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Magnesium	**3140**		107	10.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Manganese	**294**		4.3	0.43	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Nickel	**27.3**		2.1	0.50	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Potassium	**1180**		107	17.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Selenium	**0.39**	**J**	1.3	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1

Client Sample ID: 10B_6-12

Lab Sample ID: 460-323526-12

Date Collected: 04/02/25 09:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.36	J	0.43	0.095	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Sodium	115		107	48.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Thallium	0.11	J	0.43	0.044	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Vanadium	29.8		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1
Zinc	223		8.5	3.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042		0.019	0.0089	mg/Kg	☼	04/09/25 00:42	04/09/25 04:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.7		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10C_0-4

Lab Sample ID: 460-323526-13

Date Collected: 04/02/25 09:10
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 89.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,4-Dinitrotoluene	0.074	U	0.074	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2,6-Dinitrotoluene	0.074	U	0.074	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzo[b]fluoranthene	**0.011**	**J**	0.037	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzo[g,h,i]perylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Fluoranthene	**0.014**	**J**	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Pentachlorophenol	0.30	U	0.30	0.075	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Phenanthrene	**0.018**	**J**	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1
Pyrene	**0.016**	**J**	0.37	0.0091	mg/Kg	☼	04/07/25 09:44	04/08/25 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*24 - 137*	*04/07/25 09:44*	*04/08/25 01:46*	*1*
2-Fluorobiphenyl	*83*		*38 - 128*	*04/07/25 09:44*	*04/08/25 01:46*	*1*
2-Fluorophenol (Surr)	*76*		*31 - 133*	*04/07/25 09:44*	*04/08/25 01:46*	*1*
Nitrobenzene-d5 (Surr)	*72*		*31 - 120*	*04/07/25 09:44*	*04/08/25 01:46*	*1*
Phenol-d5 (Surr)	*77*		*35 - 132*	*04/07/25 09:44*	*04/08/25 01:46*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*04/07/25 09:44*	*04/08/25 01:46*	*1*

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid
Percent Solids: 89.8

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:57*	*1*
DCB Decachlorobiphenyl	*79*		*17 - 150*	*04/06/25 08:42*	*04/06/25 21:57*	*1*
Tetrachloro-m-xylene	*92*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:57*	*1*
Tetrachloro-m-xylene	*94*		*21 - 150*	*04/06/25 08:42*	*04/06/25 21:57*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*74*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:48*	*1*
DCB Decachlorobiphenyl	*71*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:48*	*1*
Tetrachloro-m-xylene	*93*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:48*	*1*
Tetrachloro-m-xylene	*116*		*20 - 150*	*04/06/25 08:47*	*04/06/25 22:48*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid
Percent Solids: 89.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**0.22**	**J**	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorohexanoic acid (PFHxA)	**0.15**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoroheptanoic acid (PFHpA)	**0.14**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorononanoic acid (PFNA)	**0.99**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorodecanoic acid (PFDA)	**0.74**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoroundecanoic acid (PFUnA)	**2.07**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorododecanoic acid (PFDoA)	**0.61**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorotridecanoic acid (PFTrDA)	**3.63**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorotetradecanoic acid (PFTeDA)	**0.18**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorooctanesulfonic acid (PFOS)	**0.048**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.14**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**2.29**		0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid
Percent Solids: 89.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C5 PFPeA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C5 PFHxA	*91.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C4 PFHpA	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C8 PFOA	*83.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C9 PFNA	*93.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C6 PFDA	*94.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C7 PFUnA	*157*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C2 PFTeDA	*91.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C3 PFBS	*90.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C3 PFHxS	*75.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C8 PFOS	*88.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C8 FOSA	*95.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d3-NMeFOSAA	*95.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d5-NEtFOSAA	*99.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
M2-4:2 FTS	*85.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
M2-6:2 FTS	*88.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
M2-8:2 FTS	*78.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C3 HFPO-DA	*96.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d7-N-MeFOSE-M	*86.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d9-N-EtFOSE-M	*81.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d5-NEtPFOSA	*78.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
d3-NMePFOSA	*93.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*
13C2-PFDoDA	*92.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:02*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6080**		22.3	6.1	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Antimony	**0.94**	**J**	1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Arsenic	**9.1**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Barium	**56.5**		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Beryllium	**1.0**		0.45	0.063	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Cadmium	**0.31**	**J**	1.1	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Calcium	**4130**		111	45.3	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Chromium	**32.6**		2.2	1.0	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Cobalt	**12.2**		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Copper	**101**		2.2	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1

Client Sample ID: 10C_0-4

Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13

Matrix: Solid
Percent Solids: 89.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	20400		66.8	22.5	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Lead	156		0.67	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Magnesium	3270		111	11.4	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Manganese	171		4.5	0.45	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Nickel	44.1		2.2	0.52	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Potassium	944		111	18.0	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Selenium	0.53	J	1.4	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Silver	0.28	J	0.45	0.099	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Sodium	122		111	50.9	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Thallium	0.065	J	0.45	0.046	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Vanadium	24.2		2.2	0.23	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1
Zinc	286		8.9	3.4	mg/Kg	☼	04/09/25 07:50	04/10/25 00:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0088	mg/Kg	☼	04/09/25 00:42	04/09/25 04:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10C_4-8

Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14

Matrix: Solid
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Methylnaphthalene	0.016	J	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzo[a]pyrene	**0.016**	**J**	0.036	0.0096	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzo[b]fluoranthene	**0.017**	**J**	0.036	0.0093	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzo[g,h,i]perylene	**0.026**	**J**	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Benzo[k]fluoranthene	**0.0082**	**J**	0.036	0.0071	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Di-n-butyl phthalate	**0.019**	**J**	0.36	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Fluoranthene	**0.016**	**J**	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Naphthalene	**0.0092**	**J**	0.36	0.0062	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Phenanthrene	**0.016**	**J**	0.36	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1
Pyrene	**0.020**	**J**	0.36	0.0090	mg/Kg	☼	04/07/25 09:44	04/08/25 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*	*04/07/25 09:44*	*04/08/25 02:08*	*1*

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*98*		*38 - 128*	*04/07/25 09:44*	*04/08/25 02:08*	*1*
2-Fluorophenol (Surr)	*91*		*31 - 133*	*04/07/25 09:44*	*04/08/25 02:08*	*1*
Nitrobenzene-d5 (Surr)	*89*		*31 - 120*	*04/07/25 09:44*	*04/08/25 02:08*	*1*
Phenol-d5 (Surr)	*90*		*35 - 132*	*04/07/25 09:44*	*04/08/25 02:08*	*1*
Terphenyl-d14 (Surr)	*109*		*44 - 147*	*04/07/25 09:44*	*04/08/25 02:08*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	04/06/25 08:42	04/06/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:10*	*1*
DCB Decachlorobiphenyl	*102*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:10*	*1*
Tetrachloro-m-xylene	*124*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:10*	*1*
Tetrachloro-m-xylene	*126*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:10*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	04/06/25 08:47	04/06/25 23:05	1

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid
Percent Solids: 91.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		20 - 150	04/06/25 08:47	04/06/25 23:05	1
DCB Decachlorobiphenyl	91		20 - 150	04/06/25 08:47	04/06/25 23:05	1
Tetrachloro-m-xylene	114		20 - 150	04/06/25 08:47	04/06/25 23:05	1
Tetrachloro-m-xylene	136		20 - 150	04/06/25 08:47	04/06/25 23:05	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoroheptanoic acid (PFHpA)	**0.037**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorooctanoic acid (PFOA)	**0.054**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorononanoic acid (PFNA)	**0.24**		0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorodecanoic acid (PFDA)	**0.30**		0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoroundecanoic acid (PFUnA)	**1.27**		0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorododecanoic acid (PFDoA)	**0.43**		0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorotridecanoic acid (PFTrDA)	**2.25**		0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorotetradecanoic acid (PFTeDA)	**0.12**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorooctanesulfonic acid (PFOS)	**0.038**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.60**		0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.34	U	1.34	0.33	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.34	U	1.34	0.33	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid
Percent Solids: 91.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.34	U	3.34	0.83	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.34	U	3.34	0.83	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:54	04/09/25 15:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C5 PFPeA	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C5 PFHxA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C4 PFHpA	*123*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C8 PFOA	*89.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C9 PFNA	*95.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C6 PFDA	*95.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C7 PFUnA	*157*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C2 PFTeDA	*73.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C3 PFBS	*93.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C3 PFHxS	*79.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C8 PFOS	*90.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C8 FOSA	*97.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d3-NMeFOSAA	*95.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d5-NEtFOSAA	*93.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
M2-4:2 FTS	*87.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
M2-6:2 FTS	*87.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
M2-8:2 FTS	*78.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C3 HFPO-DA	*109*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d7-N-MeFOSE-M	*62.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d9-N-EtFOSE-M	*54.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d5-NEtPFOSA	*75.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
d3-NMePFOSA	*91.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*
13C2-PFDoDA	*87.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:19*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5280**		19.5	5.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Antimony	**0.81**	**J**	0.97	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Arsenic	**7.2**		0.97	0.10	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1

Client Sample ID: 10C_4-8

Lab Sample ID: 460-323526-14
Date Collected: 04/02/25 09:20
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 91.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	43.8		1.9	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Beryllium	0.66		0.39	0.055	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Cadmium	0.28	J	0.97	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Calcium	4100		97.3	39.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Chromium	20.2		1.9	0.88	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Cobalt	8.9		1.9	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Copper	73.4		1.9	0.36	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Iron	19500		58.4	19.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Lead	162		0.58	0.19	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Magnesium	3380		97.3	9.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Manganese	128		3.9	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Nickel	33.9		1.9	0.46	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Potassium	824		97.3	15.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Selenium	0.52	J	1.2	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Silver	0.25	J	0.39	0.087	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Sodium	94.2	J	97.3	44.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Thallium	0.054	J	0.39	0.040	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Vanadium	20.7		1.9	0.20	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1
Zinc	192		7.8	3.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:29	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021		0.017	0.0079	mg/Kg	☼	04/09/25 00:42	04/09/25 04:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	91.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10D_0-6

Lab Sample ID: 460-323526-15
Date Collected: 04/02/25 09:30
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2-Methylnaphthalene	0.033	J	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1

Client Sample ID: 10D_0-6
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Anthracene	**0.018**	**J**	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzo[a]pyrene	**0.019**	**J**	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzo[b]fluoranthene	**0.019**	**J**	0.038	0.0098	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzo[g,h,i]perylene	**0.014**	**J**	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0075	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Bis(2-ethylhexyl) phthalate	**0.10**	**J**	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Chrysene	**0.019**	**J**	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Di-n-butyl phthalate	**0.023**	**J**	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Fluoranthene	**0.023**	**J**	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Naphthalene	**0.033**	**J**	0.38	0.0066	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1

Client Sample ID: 10D_0-6

Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15

Matrix: Solid
Percent Solids: 86.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Phenanthrene	**0.062**	**J**	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1
Pyrene	**0.046**	**J**	0.38	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 02:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*	*04/07/25 09:44*	*04/08/25 02:30*	*1*
2-Fluorobiphenyl	*80*		*38 - 128*	*04/07/25 09:44*	*04/08/25 02:30*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*04/07/25 09:44*	*04/08/25 02:30*	*1*
Nitrobenzene-d5 (Surr)	*72*		*31 - 120*	*04/07/25 09:44*	*04/08/25 02:30*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/07/25 09:44*	*04/08/25 02:30*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*04/07/25 09:44*	*04/08/25 02:30*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endosulfan sulfate	0.0077	U	0.0077	0.00096	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:22*	*1*
DCB Decachlorobiphenyl	*97*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:22*	*1*
Tetrachloro-m-xylene	*119*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:22*	*1*
Tetrachloro-m-xylene	*117*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1

Client Sample ID: 10D_0-6
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15
Matrix: Solid
Percent Solids: 86.9

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:21*	*1*
DCB Decachlorobiphenyl	*96*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:21*	*1*
Tetrachloro-m-xylene	*122*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:21*	*1*
Tetrachloro-m-xylene	*146*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:21*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorohexanoic acid (PFHxA)	**0.041**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoroheptanoic acid (PFHpA)	**0.056**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorooctanoic acid (PFOA)	**0.089**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorononanoic acid (PFNA)	**0.59**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorodecanoic acid (PFDA)	**0.92**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorododecanoic acid (PFDoA)	**0.51**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorotridecanoic acid (PFTrDA)	**4.82**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorotetradecanoic acid (PFTeDA)	**0.14**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorooctanesulfonic acid (PFOS)	**0.052**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.43**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1

Client Sample ID: 10D_0-6
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15
Matrix: Solid
Percent Solids: 86.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U	3.49	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:54	04/09/25 15:35	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*139*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C5 PFPeA	*152*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C5 PFHxA	*140*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C4 PFHpA	*171*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C8 PFOA	*129*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C9 PFNA	*134*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C6 PFDA	*132*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C7 PFUnA	*223*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C2 PFTeDA	*121*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C3 PFBS	*134*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C3 PFHxS	*113*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C8 PFOS	*129*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C8 FOSA	*139*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d3-NMeFOSAA	*141*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d5-NEtFOSAA	*144*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
M2-4:2 FTS	*131*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
M2-6:2 FTS	*143*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
M2-8:2 FTS	*127*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
13C3 HFPO-DA	*153*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d7-N-MeFOSE-M	*98.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d9-N-EtFOSE-M	*87.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d5-NEtPFOSA	*106*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*
d3-NMePFOSA	*126*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:35*	*1*

Client Sample ID: 10D_0-6

Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15

Matrix: Solid
Percent Solids: 86.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	128		20 - 150	04/08/25 14:54	04/09/25 15:35	1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	3.64		1.40	0.35	ug/Kg	☼	04/08/25 14:54	04/10/25 12:21	10

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84.1		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C5 PFPeA	98.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C5 PFHxA	85.1		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C4 PFHpA	104		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C8 PFOA	75.7		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C9 PFNA	87.7		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C6 PFDA	85.2		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C7 PFUnA	125		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C2 PFTeDA	83.5		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C3 PFBS	86.7		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C3 PFHxS	68.0		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C8 PFOS	83.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C8 FOSA	87.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d3-NMeFOSAA	87.2		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d5-NEtFOSAA	89.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
M2-4:2 FTS	64.9		20 - 150	04/08/25 14:54	04/10/25 12:21	10
M2-6:2 FTS	69.0		20 - 150	04/08/25 14:54	04/10/25 12:21	10
M2-8:2 FTS	60.1		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C3 HFPO-DA	97.2		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d7-N-MeFOSE-M	71.0		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d9-N-EtFOSE-M	65.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d5-NEtPFOSA	75.3		20 - 150	04/08/25 14:54	04/10/25 12:21	10
d3-NMePFOSA	88.6		20 - 150	04/08/25 14:54	04/10/25 12:21	10
13C2-PFDoDA	76.1		20 - 150	04/08/25 14:54	04/10/25 12:21	10

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6430		20.5	5.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Antimony	0.74	J	1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Arsenic	7.1		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Barium	59.0		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Beryllium	0.74		0.41	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Cadmium	0.34	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Calcium	1790		103	41.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Chromium	22.7		2.1	0.93	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Cobalt	8.3		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Copper	61.3		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Iron	19100		61.6	20.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Lead	223		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Magnesium	2220		103	10.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Manganese	189		4.1	0.41	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Nickel	25.8		2.1	0.48	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Potassium	994		103	16.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1

Client Sample ID: 10D_0-6

Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15

Matrix: Solid
Percent Solids: 86.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.31	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Silver	0.21	J	0.41	0.091	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Sodium	95.1	J	103	46.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Thallium	0.074	J	0.41	0.042	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Vanadium	22.2		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1
Zinc	170		8.2	3.1	mg/Kg	☼	04/09/25 07:50	04/10/25 01:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.019	0.0091	mg/Kg	☼	04/09/25 00:42	04/09/25 04:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10D_6-12

Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,4-Dinitrotoluene	0.075	U	0.075	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2,6-Dinitrotoluene	0.075	U	0.075	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
3-Nitroaniline	0.37	U	0.37	0.088	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
4-Nitroaniline	0.37	U	0.37	0.094	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1

Client Sample ID: 10D_6-12

Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	0.75	U	0.75	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzo[a]pyrene	**0.011**	**J**	0.037	0.0099	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzo[b]fluoranthene	**0.013**	**J**	0.037	0.0096	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Dimethyl phthalate	0.37	U	0.37	0.084	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Di-n-butyl phthalate	**0.053**	**J**	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Hexachlorobutadiene	0.075	U	0.075	0.0079	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Naphthalene	0.37	U	0.37	0.0064	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Phenanthrene	**0.018**	**J**	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1
Pyrene	**0.020**	**J**	0.37	0.0092	mg/Kg	☼	04/07/25 09:44	04/08/25 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*95*		*24 - 137*	*04/07/25 09:44*	*04/08/25 02:52*	*1*
2-Fluorobiphenyl	*103*		*38 - 128*	*04/07/25 09:44*	*04/08/25 02:52*	*1*
2-Fluorophenol (Surr)	*95*		*31 - 133*	*04/07/25 09:44*	*04/08/25 02:52*	*1*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*	*04/07/25 09:44*	*04/08/25 02:52*	*1*
Phenol-d5 (Surr)	*91*		*35 - 132*	*04/07/25 09:44*	*04/08/25 02:52*	*1*
Terphenyl-d14 (Surr)	*116*		*44 - 147*	*04/07/25 09:44*	*04/08/25 02:52*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Client Sample ID: 10D_6-12
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*93*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:34*	*1*
DCB Decachlorobiphenyl	*81*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:34*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:34*	*1*
Tetrachloro-m-xylene	*99*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:38*	*1*
DCB Decachlorobiphenyl	*65*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:38*	*1*
Tetrachloro-m-xylene	*82*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:38*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:38*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1

Client Sample ID: 10D_6-12
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	**0.088**	**J**	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorohexanoic acid (PFHxA)	**0.053**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoroheptanoic acid (PFHpA)	**0.056**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorooctanoic acid (PFOA)	**0.086**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorononanoic acid (PFNA)	**0.61**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorodecanoic acid (PFDA)	**0.43**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoroundecanoic acid (PFUnA)	**3.37**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorododecanoic acid (PFDoA)	**0.48**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorotridecanoic acid (PFTrDA)	**5.80**		0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorotetradecanoic acid (PFTeDA)	**0.13**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorooctanesulfonic acid (PFOS)	**0.062**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.27**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.37	U	1.37	0.34	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1

Client Sample ID: 10D_6-12
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.43	U	3.43	0.86	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 15:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C5 PFPeA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C5 PFHxA	*94.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C8 PFOA	*82.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C9 PFNA	*95.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C6 PFDA	*95.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C7 PFUnA	*159*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C2 PFTeDA	*91.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C3 PFBS	*92.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C3 PFHxS	*74.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C8 PFOS	*88.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C8 FOSA	*99.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d3-NMeFOSAA	*99.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d5-NEtFOSAA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
M2-4:2 FTS	*93.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
M2-6:2 FTS	*108*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
M2-8:2 FTS	*85.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C3 HFPO-DA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d7-N-MeFOSE-M	*74.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d9-N-EtFOSE-M	*64.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d5-NEtPFOSA	*77.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
d3-NMePFOSA	*91.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*
13C2-PFDoDA	*91.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 15:52*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6680**		21.3	5.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Antimony	**3.6**		1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Arsenic	**11.5**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Barium	**82.1**		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Beryllium	**2.3**		0.43	0.061	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Cadmium	**0.52**	J	1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Calcium	**2590**		107	43.4	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Chromium	**47.7**		2.1	0.97	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Cobalt	**15.3**		2.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Copper	**288**		2.1	0.39	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1

Client Sample ID: 10D_6-12

Lab Sample ID: 460-323526-16
Date Collected: 04/02/25 09:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	22000		64.0	21.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Lead	405		0.64	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Magnesium	2620		107	10.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Manganese	228		4.3	0.43	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Nickel	91.4		2.1	0.50	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Potassium	1010		107	17.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Selenium	1.1	J	1.3	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Silver	0.84		0.43	0.095	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Sodium	151		107	48.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Thallium	0.090	J	0.43	0.044	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Vanadium	23.4		2.1	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1
Zinc	347		8.5	3.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.0085	mg/Kg	☼	04/09/25 00:42	04/09/25 04:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.6		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.4		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10E_0-6

Lab Sample ID: 460-323526-17
Date Collected: 04/02/25 09:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2,6-Dinitrotoluene	0.077	U	0.077	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1

Client Sample ID: 10E_0-6
Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-17
Matrix: Solid
Percent Solids: 86.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Nitroaniline	0.38	U	0.38	0.097	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Anthracene	**0.012**	**J**	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzo[a]pyrene	**0.017**	**J**	0.038	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzo[b]fluoranthene	**0.020**	**J**	0.038	0.0099	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzo[g,h,i]perylene	**0.031**	**J**	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Benzo[k]fluoranthene	**0.0076**	**J**	0.038	0.0075	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Dimethyl phthalate	0.38	U	0.38	0.087	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Di-n-butyl phthalate	**0.020**	**J**	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Fluoranthene	**0.021**	**J**	0.38	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Indeno[1,2,3-cd]pyrene	**0.018**	**J**	0.038	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Phenanthrene	**0.017**	**J**	0.38	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1
Pyrene	**0.028**	**J**	0.38	0.0095	mg/Kg	☼	04/07/25 09:44	04/08/25 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/07/25 09:44*	*04/08/25 03:15*	*1*

Client Sample ID: 10E_0-6

Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-17

Matrix: Solid
Percent Solids: 86.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*38 - 128*	*04/07/25 09:44*	*04/08/25 03:15*	*1*
2-Fluorophenol (Surr)	*75*		*31 - 133*	*04/07/25 09:44*	*04/08/25 03:15*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*04/07/25 09:44*	*04/08/25 03:15*	*1*
Phenol-d5 (Surr)	*74*		*35 - 132*	*04/07/25 09:44*	*04/08/25 03:15*	*1*
Terphenyl-d14 (Surr)	*88*		*44 - 147*	*04/07/25 09:44*	*04/08/25 03:15*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/06/25 08:42	04/06/25 22:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:47*	*1*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:47*	*1*
Tetrachloro-m-xylene	*101*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:47*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:47*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/06/25 08:47	04/06/25 23:55	1

Client Sample ID: 10E_0-6

Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-17

Matrix: Solid
Percent Solids: 86.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:55*	*1*
DCB Decachlorobiphenyl	*78*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:55*	*1*
Tetrachloro-m-xylene	*91*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:55*	*1*
Tetrachloro-m-xylene	*107*		*20 - 150*	*04/06/25 08:47*	*04/06/25 23:55*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorohexanoic acid (PFHxA)	**0.050**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoroheptanoic acid (PFHpA)	**0.083**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorooctanoic acid (PFOA)	**0.20**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorononanoic acid (PFNA)	**2.30**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorodecanoic acid (PFDA)	**1.32**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoroundecanoic acid (PFUnA)	**4.38**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorododecanoic acid (PFDoA)	**0.37**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorotridecanoic acid (PFTrDA)	**5.60**		0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorotetradecanoic acid (PFTeDA)	**0.11**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorooctanesulfonic acid (PFOS)	**0.13**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.45	U	1.45	0.36	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1

Client Sample ID: 10E_0-6
Date Collected: 04/02/25 09:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-17
Matrix: Solid
Percent Solids: 86.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.73	U	0.73	0.18	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.63	U	3.63	0.91	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.63	U	3.63	0.91	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:54	04/09/25 16:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*106*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C5 PFPeA	*114*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C5 PFHxA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C4 PFHpA	*121*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C8 PFOA	*91.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C9 PFNA	*98.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C6 PFDA	*96.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C7 PFUnA	*159*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C2 PFTeDA	*82.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C3 PFBS	*102*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C3 PFHxS	*81.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C8 PFOS	*90.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C8 FOSA	*105*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d3-NMeFOSAA	*95.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d5-NEtFOSAA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
M2-4:2 FTS	*108*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
M2-6:2 FTS	*134*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
M2-8:2 FTS	*94.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C3 HFPO-DA	*111*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d7-N-MeFOSE-M	*64.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d9-N-EtFOSE-M	*55.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d5-NEtPFOSA	*75.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
d3-NMePFOSA	*90.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*
13C2-PFDoDA	*88.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:08*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9050**		21.6	5.9	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Antimony	**2.6**		1.1	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Arsenic	**7.5**		1.1	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1

Client Sample ID: 10E_0-6

Lab Sample ID: 460-323526-17

Date Collected: 04/02/25 09:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.5

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	182		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Beryllium	1.8		0.43	0.062	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Cadmium	1.1		1.1	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Calcium	3130		108	44.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Chromium	76.8		2.2	0.98	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Cobalt	24.9		2.2	0.16	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Copper	213		2.2	0.40	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Iron	29400		64.8	21.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Lead	874		0.65	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Magnesium	2930		108	11.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Manganese	293		4.3	0.44	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Nickel	93.8		2.2	0.51	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Potassium	1100		108	17.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Selenium	2.4		1.4	0.14	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Silver	0.73		0.43	0.096	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Sodium	271		108	49.4	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Thallium	0.096	J	0.43	0.044	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Vanadium	25.4		2.2	0.22	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1
Zinc	672		8.6	3.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.048		0.020	0.0093	mg/Kg	☼	04/09/25 00:42	04/09/25 04:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.5		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.5		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 10E_6-12

Lab Sample ID: 460-323526-18

Date Collected: 04/02/25 10:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4-Dimethylphenol	0.37	U	0.37	0.045	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1

Client Sample ID: 10E_6-12
Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2-Nitroaniline	0.37	U	0.37	0.029	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
3-Nitroaniline	0.37	U	0.37	0.089	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Nitroaniline	0.37	U	0.37	0.095	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzo[a]pyrene	**0.012**	**J**	0.037	0.010	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzo[b]fluoranthene	**0.014**	**J**	0.037	0.0097	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzo[g,h,i]perylene	**0.019**	**J**	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Fluoranthene	**0.014**	**J**	0.37	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1

Client Sample ID: 10E_6-12

Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1
Pyrene	**0.020**	**J**	0.37	0.0093	mg/Kg	☼	04/07/25 09:44	04/08/25 03:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*	*04/07/25 09:44*	*04/08/25 03:37*	*1*
2-Fluorobiphenyl	*94*		*38 - 128*	*04/07/25 09:44*	*04/08/25 03:37*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*04/07/25 09:44*	*04/08/25 03:37*	*1*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*	*04/07/25 09:44*	*04/08/25 03:37*	*1*
Phenol-d5 (Surr)	*86*		*35 - 132*	*04/07/25 09:44*	*04/08/25 03:37*	*1*
Terphenyl-d14 (Surr)	*106*		*44 - 147*	*04/07/25 09:44*	*04/08/25 03:37*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/06/25 08:42	04/06/25 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:59*	*1*
DCB Decachlorobiphenyl	*87*		*17 - 150*	*04/06/25 08:42*	*04/06/25 22:59*	*1*
Tetrachloro-m-xylene	*100*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:59*	*1*
Tetrachloro-m-xylene	*99*		*21 - 150*	*04/06/25 08:42*	*04/06/25 22:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1

Client Sample ID: 10E_6-12

Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/06/25 08:47	04/07/25 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*77*		*20 - 150*	*04/06/25 08:47*	*04/07/25 00:11*	*1*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*04/06/25 08:47*	*04/07/25 00:11*	*1*
Tetrachloro-m-xylene	*105*		*20 - 150*	*04/06/25 08:47*	*04/07/25 00:11*	*1*
Tetrachloro-m-xylene	*120*		*20 - 150*	*04/06/25 08:47*	*04/07/25 00:11*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorohexanoic acid (PFHxA)	**0.051**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorooctanoic acid (PFOA)	**0.038**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorononanoic acid (PFNA)	**0.13**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorodecanoic acid (PFDA)	**0.15**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoroundecanoic acid (PFUnA)	**0.94**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorododecanoic acid (PFDoA)	**0.15**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorotridecanoic acid (PFTrDA)	**1.33**		0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorotetradecanoic acid (PFTeDA)	**0.040**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorooctanesulfonic acid (PFOS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1

Client Sample ID: 10E_6-12
Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18
Matrix: Solid
Percent Solids: 88.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:54	04/09/25 16:58	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*100*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C5 PFPeA	*110*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C5 PFHxA	*95.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C4 PFHpA	*114*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C8 PFOA	*92.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C9 PFNA	*97.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C6 PFDA	*92.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C7 PFUnA	*151*	*	*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C2 PFTeDA	*82.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C3 PFBS	*99.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C3 PFHxS	*80.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C8 PFOS	*92.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C8 FOSA	*104*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d3-NMeFOSAA	*98.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d5-NEtFOSAA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
M2-4:2 FTS	*104*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
M2-6:2 FTS	*104*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
M2-8:2 FTS	*93.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
13C3 HFPO-DA	*103*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d7-N-MeFOSE-M	*80.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d9-N-EtFOSE-M	*70.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d5-NEtPFOSA	*76.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*
d3-NMePFOSA	*90.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 16:58*	*1*

Client Sample ID: 10E_6-12

Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18

Matrix: Solid
Percent Solids: 88.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2-PFDoDA	88.3		20 - 150	04/08/25 14:54	04/09/25 16:58	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6030		20.8	5.7	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Antimony	1.1		1.0	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Arsenic	7.5		1.0	0.11	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Barium	47.4		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Beryllium	1.8		0.42	0.059	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Cadmium	0.27	J	1.0	0.12	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Calcium	1550		104	42.3	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Chromium	27.0		2.1	0.94	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Cobalt	7.1		2.1	0.15	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Copper	66.9		2.1	0.38	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Iron	19800		62.4	21.0	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Lead	276		0.62	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Magnesium	2080		104	10.6	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Manganese	184		4.2	0.42	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Nickel	25.6		2.1	0.49	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Potassium	924		104	16.8	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Selenium	0.42	J	1.3	0.13	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Silver	0.28	J	0.42	0.093	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Sodium	92.2	J	104	47.5	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Thallium	0.082	J	0.42	0.043	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Vanadium	26.0		2.1	0.21	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1
Zinc	201		8.3	3.2	mg/Kg	☼	04/09/25 07:50	04/10/25 01:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024		0.019	0.0089	mg/Kg	☼	04/09/25 00:42	04/09/25 04:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.8		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.2		1.0	1.0	%			04/08/25 08:30	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (24-137)	FBP (38-128)	2FP (31-133)	NBZ (31-120)	PHL (35-132)	TPHL (44-147)
460-323518-A-15-A MS	Matrix Spike	87	93	86	82	86	99
460-323518-A-15-B MSD	Matrix Spike Duplicate	85	92	85	83	83	97
460-323526-1	9A_0-5	74	78	76	74	74	85
460-323526-2	9A_5-10	88	90	85	81	84	98
460-323526-3	9B_0-5	74	81	77	74	74	91
460-323526-4	9B_5-10	73	77	73	71	71	91
460-323526-5	9C_0-5	71	80	76	75	73	89
460-323526-6	9C_5-10	86	96	93	88	93	106
460-323526-7	9D_0-5	81	80	78	74	77	91
460-323526-8	9D_5-10	97	100	99	91	97	111
460-323526-9	10A_0-4	78	81	79	76	78	92
460-323526-10	10A_4-8	100	103	101	95	100	118
460-323526-11	10B_0-6	73	79	76	74	75	87
460-323526-12	10B_6-12	88	92	90	84	86	106
460-323526-13	10C_0-4	77	83	76	72	77	93
460-323526-14	10C_4-8	90	98	91	89	90	109
460-323526-15	10D_0-6	75	80	75	72	73	90
460-323526-16	10D_6-12	95	103	95	91	91	116
460-323526-17	10E_0-6	73	77	75	71	74	88
460-323526-18	10E_6-12	87	94	83	82	86	106
LCS 460-1030171/2-A	Lab Control Sample	84	89	98	88	89	86
LCSD 460-1030171/3-A	Lab Control Sample Dup	90	94	97	91	89	91
MB 460-1030171/1-A	Method Blank	91	91	94	91	92	98

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-323526-1	9A_0-5	88	106	109	110
460-323526-1 MS	9A_0-5	57	71	83	74
460-323526-1 MSD	9A_0-5	61	74	89	76
460-323526-2	9A_5-10	120	144	150	152 *
460-323526-3	9B_0-5	130	148	154 *	147
460-323526-4	9B_5-10	73	86	89	85
460-323526-5	9C_0-5	90	102	103	100
460-323526-6	9C_5-10	107	122	125	120
460-323526-7	9D_0-5	87	104	105	108
460-323526-8	9D_5-10	77	92	94	94
460-323526-9	10A_0-4	99	120	119	123
460-323526-10	10A_4-8	87	106	105	109

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-323526-11	10B_0-6	82	96	93	94
460-323526-12	10B_6-12	80	91	97	97
460-323526-13	10C_0-4	79	92	94	92
460-323526-14	10C_4-8	102	115	126	124
460-323526-15	10D_0-6	97	112	117	119
460-323526-16	10D_6-12	81	93	99	100
460-323526-17	10E_0-6	86	98	100	101
460-323526-18	10E_6-12	87	99	99	100
LCS 460-1030013/2-A	Lab Control Sample	59	73	90	76
LCSD 460-1030013/3-A	Lab Control Sample Dup	58	71	86	73
MB 460-1030013/1-A	Method Blank	88	106	111	111

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-323526-1	9A_0-5	79	67	107	87
460-323526-1 MS	9A_0-5	85	70	114	96
460-323526-1 MSD	9A_0-5	81	69	110	96
460-323526-2	9A_5-10	76	65	105	85
460-323526-3	9B_0-5	125	111	169 *	135
460-323526-4	9B_5-10	78	70	105	84
460-323526-5	9C_0-5	78	75	105	82
460-323526-6	9C_5-10	112	104	151 *	123
460-323526-7	9D_0-5	83	73	110	90
460-323526-8	9D_5-10	81	77	109	90
460-323526-9	10A_0-4	77	70	102	83
460-323526-10	10A_4-8	78	71	109	94
460-323526-11	10B_0-6	82	72	106	88
460-323526-12	10B_6-12	80	78	112	96
460-323526-13	10C_0-4	71	74	116	93
460-323526-14	10C_4-8	91	90	136	114
460-323526-15	10D_0-6	96	94	146	122
460-323526-16	10D_6-12	65	62	98	82
460-323526-17	10E_0-6	78	69	107	91
460-323526-18	10E_6-12	88	77	120	105
LCS 460-1030014/2-A	Lab Control Sample	76	66	107	84
LCSD 460-1030014/3-A	Lab Control Sample Dup	75	64	106	83
MB 460-1030014/1-A	Method Blank	94	79	129	102

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (20-150)	PFPeA (20-150)	13C5PHA (20-150)	C4PFHA (20-150)	C8PFOA (20-150)	C9PFNA (20-150)	C6PFDA (20-150)	13C7PUA (20-150)
460-323525-B-22-B DU	Duplicate	96.6	107	98.5	116	92.3	94.0	92.8	164 *
460-323526-1	9A_0-5	81.3	88.9	84.9	99.5	76.8	83.6	84.3	141
460-323526-2	9A_5-10	119	130	121	148	109	116	113	183 *
460-323526-3	9B_0-5	94.6	109	96.4	119	88.4	93.6	90.3	152 *
460-323526-4	9B_5-10	89.6	99.1	89.9	110	81.8	85.8	83.9	138
460-323526-5	9C_0-5	118	127	116	137	108	117	115	190 *
460-323526-6	9C_5-10	82.5	92.4	82.7	99.0	76.2	79.5	78.6	133
460-323526-7	9D_0-5	86.2	99.6	86.1	111	81.0	88.5	83.8	136
460-323526-8	9D_5-10	92.1	103	90.5	116	83.0	90.9	88.3	144
460-323526-9	10A_0-4	93.4	103	95.9	119	84.7	93.1	88.2	146
460-323526-10	10A_4-8	83.1	91.7	85.2	104	75.4	80.5	78.1	130
460-323526-11	10B_0-6	93.9	104	94.0	113	80.6	91.7	89.0	149
460-323526-12	10B_6-12	88.5	97.4	85.1	104	80.5	88.8	87.6	143
460-323526-13	10C_0-4	92.2	101	91.7	109	83.7	93.3	94.0	157 *
460-323526-14	10C_4-8	99.8	109	101	123	89.1	95.3	95.5	157 *
460-323526-15	10D_0-6	139	152 *	140	171 *	129	134	132	223 *
460-323526-15 - DL	10D_0-6	84.1	98.6	85.1	104	75.7	87.7	85.2	125
460-323526-16	10D_6-12	94.4	103	94.4	111	82.2	95.7	95.2	159 *
460-323526-17	10E_0-6	106	114	103	121	91.3	98.8	96.1	159 *
460-323526-18	10E_6-12	100	110	95.9	114	92.0	97.7	92.0	151 *
LCS 240-651369/3-A	Lab Control Sample	69.2	71.3	64.0	77.4	57.1	61.5	58.5	98.3
LLCS 240-651369/2-A	Lab Control Sample	77.4	90.1	81.1	102	69.4	74.2	73.2	118
MB 240-651369/1-A	Method Blank	90.2	105	95.1	117	84.8	88.9	89.4	150

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFTDA (20-150)	C3PFBS (20-150)	C3PFHS (20-150)	C8PFOS (20-150)	PFOSA (20-150)	d3NMFOS (20-150)	d5NEFOS (20-150)	M242FTS (20-150)
460-323525-B-22-B DU	Duplicate	89.4	96.4	78.1	93.4	103	103	105	88.6
460-323526-1	9A_0-5	82.2	82.5	66.9	79.3	81.3	84.7	86.0	73.9
460-323526-2	9A_5-10	96.7	120	98.1	111	119	118	114	121
460-323526-3	9B_0-5	76.9	89.8	73.5	86.9	96.4	95.9	91.8	83.3
460-323526-4	9B_5-10	83.2	85.8	69.0	81.0	91.2	91.1	92.1	83.8
460-323526-5	9C_0-5	101	117	95.3	109	133	130	138	143
460-323526-6	9C_5-10	69.2	77.0	64.0	75.0	86.8	83.8	87.8	80.8
460-323526-7	9D_0-5	81.6	82.9	70.1	82.5	88.1	86.8	92.0	77.2
460-323526-8	9D_5-10	80.9	89.2	74.1	84.2	91.1	86.6	86.9	82.0
460-323526-9	10A_0-4	82.7	93.9	75.6	87.6	92.0	90.3	89.2	81.4
460-323526-10	10A_4-8	67.7	78.3	64.4	74.3	83.2	77.2	79.4	73.3
460-323526-11	10B_0-6	83.7	91.2	72.2	83.7	95.1	94.4	96.0	86.1
460-323526-12	10B_6-12	79.7	84.4	68.5	78.9	91.6	86.9	93.6	83.1
460-323526-13	10C_0-4	91.2	90.9	75.0	88.0	95.9	95.5	99.5	85.1
460-323526-14	10C_4-8	73.5	93.1	79.4	90.4	97.8	95.0	93.5	87.6
460-323526-15	10D_0-6	121	134	113	129	139	141	144	131
460-323526-15 - DL	10D_0-6	83.5	86.7	68.0	83.6	87.6	87.2	89.6	64.9
460-323526-16	10D_6-12	91.5	92.6	74.9	88.2	99.9	99.7	103	93.0
460-323526-17	10E_0-6	82.8	102	81.4	90.0	105	95.3	103	108
460-323526-18	10E_6-12	82.2	99.5	80.9	92.1	104	98.4	101	104
LCS 240-651369/3-A	Lab Control Sample	56.2	64.1	51.3	59.0	61.9	62.9	61.8	57.2
LLCS 240-651369/2-A	Lab Control Sample	62.5	77.3	64.3	74.0	76.9	75.9	73.4	71.8
MB 240-651369/1-A	Method Blank	86.4	92.9	76.5	92.7	94.6	98.5	101	86.4

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-323525-B-22-B DU	Duplicate	99.6	85.6	108	81.4	72.4	79.5	95.5	92.3
460-323526-1	9A_0-5	77.8	71.6	89.0	55.1	51.5	68.9	79.3	84.7
460-323526-2	9A_5-10	126	110	128	76.1	68.8	89.7	109	104
460-323526-3	9B_0-5	90.6	79.0	102	57.7	49.6	76.9	93.2	86.8
460-323526-4	9B_5-10	92.7	80.8	94.8	66.6	59.3	71.9	84.9	81.2
460-323526-5	9C_0-5	156 *	143	121	76.4	67.0	86.8	106	109
460-323526-6	9C_5-10	98.1	78.0	90.5	68.0	60.6	68.2	80.8	74.3
460-323526-7	9D_0-5	79.9	73.3	98.5	63.5	58.1	71.7	84.0	79.0
460-323526-8	9D_5-10	82.5	78.8	99.2	63.4	56.3	69.9	85.1	81.5
460-323526-9	10A_0-4	88.9	81.3	101	69.1	62.2	69.9	83.7	83.2
460-323526-10	10A_4-8	74.1	70.7	91.2	63.9	58.5	66.6	82.5	73.8
460-323526-11	10B_0-6	94.5	82.6	103	69.5	61.2	74.7	88.6	86.4
460-323526-12	10B_6-12	95.4	76.3	96.2	77.4	69.3	71.5	84.2	79.9
460-323526-13	10C_0-4	88.1	78.4	96.5	86.9	81.0	78.5	93.2	92.0
460-323526-14	10C_4-8	87.7	78.8	109	62.3	54.9	75.2	91.0	87.2
460-323526-15	10D_0-6	143	127	153 *	98.6	87.2	106	126	128
460-323526-15 - DL	10D_0-6	69.0	60.1	97.2	71.0	65.6	75.3	88.6	76.1
460-323526-16	10D_6-12	108	85.0	103	74.1	64.4	77.4	91.0	91.4
460-323526-17	10E_0-6	134	94.0	111	64.5	55.1	75.4	90.5	88.7
460-323526-18	10E_6-12	104	93.1	103	80.3	70.6	76.8	90.5	88.3
LCS 240-651369/3-A	Lab Control Sample	59.8	52.2	70.6	47.0	45.9	48.9	60.2	59.0
LLCS 240-651369/2-A	Lab Control Sample	72.9	68.7	89.7	50.3	46.7	58.5	73.9	68.3
MB 240-651369/1-A	Method Blank	84.6	81.9	100	66.4	61.4	74.4	90.3	88.0

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1030171/1-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/07/25 09:44	04/07/25 21:42	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030171/1-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 09:44	04/07/25 21:42	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/07/25 09:44	04/07/25 21:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 137*	*04/07/25 09:44*	*04/07/25 21:42*	*1*
2-Fluorobiphenyl	*91*		*38 - 128*	*04/07/25 09:44*	*04/07/25 21:42*	*1*
2-Fluorophenol (Surr)	*94*		*31 - 133*	*04/07/25 09:44*	*04/07/25 21:42*	*1*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*	*04/07/25 09:44*	*04/07/25 21:42*	*1*
Phenol-d5 (Surr)	*92*		*35 - 132*	*04/07/25 09:44*	*04/07/25 21:42*	*1*
Terphenyl-d14 (Surr)	*98*		*44 - 147*	*04/07/25 09:44*	*04/07/25 21:42*	*1*

Lab Sample ID: LCS 460-1030171/2-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.20		mg/Kg		96	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.28		mg/Kg		98	60 - 120
1,4-Dioxane	3.33	3.19		mg/Kg		96	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.17		mg/Kg		95	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.11		mg/Kg		93	62 - 120
2,4,5-Trichlorophenol	3.33	3.29		mg/Kg		99	64 - 120
2,4,6-Trichlorophenol	3.33	3.31		mg/Kg		99	65 - 120
2,4-Dichlorophenol	3.33	3.20		mg/Kg		96	66 - 120
2,4-Dimethylphenol	3.33	3.21		mg/Kg		96	46 - 120
2,4-Dinitrophenol	6.67	5.90		mg/Kg		89	41 - 129
2,4-Dinitrotoluene	3.33	3.07		mg/Kg		92	65 - 124
2,6-Dinitrotoluene	3.33	3.13		mg/Kg		94	67 - 121
2-Chloronaphthalene	3.33	3.22		mg/Kg		97	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030171/2-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	3.33	3.31		mg/Kg		99	63 - 120
2-Methylnaphthalene	3.33	3.02		mg/Kg		90	64 - 120
2-Methylphenol	3.33	3.24		mg/Kg		97	63 - 120
2-Nitroaniline	3.33	3.35		mg/Kg		101	48 - 120
2-Nitrophenol	3.33	3.14		mg/Kg		94	64 - 120
3 & 4 Methylphenol	3.33	3.14		mg/Kg		94	61 - 120
3,3'-Dichlorobenzidine	3.33	2.23		mg/Kg		67	10 - 120
3-Nitroaniline	3.33	2.75		mg/Kg		82	18 - 122
4,6-Dinitro-2-methylphenol	6.67	6.52		mg/Kg		98	58 - 136
4-Bromophenyl phenyl ether	3.33	3.23		mg/Kg		97	60 - 120
4-Chloro-3-methylphenol	3.33	3.09		mg/Kg		93	66 - 120
4-Chloroaniline	3.33	2.42		mg/Kg		73	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.05		mg/Kg		91	62 - 120
4-Methylphenol	3.33	3.14		mg/Kg		94	61 - 120
4-Nitroaniline	3.33	2.87		mg/Kg		86	51 - 120
4-Nitrophenol	6.67	5.98		mg/Kg		90	42 - 132
Acenaphthene	3.33	3.14		mg/Kg		94	65 - 120
Acenaphthylene	3.33	3.14		mg/Kg		94	64 - 120
Acetophenone	3.33	2.90		mg/Kg		87	61 - 120
Anthracene	3.33	3.17		mg/Kg		95	67 - 120
Atrazine	1.33	2.20	*	mg/Kg		165	32 - 150
Benzaldehyde	1.33	2.32	*	mg/Kg		174	28 - 150
Benzo[a]anthracene	3.33	3.04		mg/Kg		91	66 - 120
Benzo[a]pyrene	3.33	3.37		mg/Kg		101	73 - 123
Benzo[b]fluoranthene	3.33	3.35		mg/Kg		100	70 - 125
Benzo[g,h,i]perylene	3.33	3.55		mg/Kg		106	66 - 120
Benzo[k]fluoranthene	3.33	3.20		mg/Kg		96	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.09		mg/Kg		93	62 - 120
Bis(2-chloroethyl)ether	3.33	3.34		mg/Kg		100	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.12		mg/Kg		94	64 - 125
Butyl benzyl phthalate	3.33	3.17		mg/Kg		95	62 - 127
Caprolactam	1.33	2.07	*	mg/Kg		155	36 - 150
Carbazole	3.33	3.12		mg/Kg		94	64 - 120
Chrysene	3.33	3.11		mg/Kg		93	67 - 120
Dibenz(a,h)anthracene	3.33	3.55		mg/Kg		106	66 - 128
Dibenzofuran	3.33	3.07		mg/Kg		92	61 - 120
Diethyl phthalate	3.33	2.97		mg/Kg		89	63 - 120
Dimethyl phthalate	3.33	3.02		mg/Kg		91	65 - 120
Di-n-butyl phthalate	3.33	3.11		mg/Kg		93	66 - 120
Di-n-octyl phthalate	3.33	3.14		mg/Kg		94	61 - 123
Fluoranthene	3.33	3.01		mg/Kg		90	61 - 120
Fluorene	3.33	3.08		mg/Kg		92	64 - 120
Hexachlorobenzene	3.33	3.28		mg/Kg		98	66 - 120
Hexachlorobutadiene	3.33	3.14		mg/Kg		94	62 - 120
Hexachlorocyclopentadiene	3.33	3.20		mg/Kg		96	13 - 120
Hexachloroethane	3.33	3.35		mg/Kg		101	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.58		mg/Kg		108	71 - 137
Isophorone	3.33	3.02		mg/Kg		90	61 - 120
Naphthalene	3.33	3.11		mg/Kg		93	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030171/2-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030171

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrobenzene			3.33	3.17		mg/Kg		95	63 - 120		
N-Nitrosodi-n-propylamine			3.33	3.23		mg/Kg		97	56 - 120		
N-Nitrosodiphenylamine			3.33	3.18		mg/Kg		95	63 - 120		
Pentachlorophenol			6.67	6.46		mg/Kg		97	61 - 126		
Phenanthrene			3.33	3.14		mg/Kg		94	66 - 120		
Phenol			3.33	3.20		mg/Kg		96	63 - 120		
Pyrene			3.33	3.19		mg/Kg		96	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 137*
2-Fluorobiphenyl	*89*		*38 - 128*
2-Fluorophenol (Surr)	*98*		*31 - 133*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*
Phenol-d5 (Surr)	*89*		*35 - 132*
Terphenyl-d14 (Surr)	*86*		*44 - 147*

Lab Sample ID: LCSD 460-1030171/3-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030171

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.25		mg/Kg		98	64 - 120	2	30
1,2,4,5-Tetrachlorobenzene			3.33	3.29		mg/Kg		99	60 - 120	0	30
1,4-Dioxane			3.33	3.23		mg/Kg		97	27 - 120	1	30
2,2'-oxybis[1-chloropropane]			3.33	3.14		mg/Kg		94	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.21		mg/Kg		96	62 - 120	3	30
2,4,5-Trichlorophenol			3.33	3.39		mg/Kg		102	64 - 120	3	30
2,4,6-Trichlorophenol			3.33	3.32		mg/Kg		100	65 - 120	0	30
2,4-Dichlorophenol			3.33	3.26		mg/Kg		98	66 - 120	2	30
2,4-Dimethylphenol			3.33	3.21		mg/Kg		96	46 - 120	0	30
2,4-Dinitrophenol			6.67	6.07		mg/Kg		91	41 - 129	3	30
2,4-Dinitrotoluene			3.33	3.18		mg/Kg		95	65 - 124	4	30
2,6-Dinitrotoluene			3.33	3.20		mg/Kg		96	67 - 121	2	30
2-Chloronaphthalene			3.33	3.25		mg/Kg		98	64 - 120	1	30
2-Chlorophenol			3.33	3.28		mg/Kg		98	63 - 120	1	30
2-Methylnaphthalene			3.33	3.07		mg/Kg		92	64 - 120	2	30
2-Methylphenol			3.33	3.13		mg/Kg		94	63 - 120	3	30
2-Nitroaniline			3.33	3.43		mg/Kg		103	48 - 120	2	30
2-Nitrophenol			3.33	3.16		mg/Kg		95	64 - 120	1	30
3 & 4 Methylphenol			3.33	3.10		mg/Kg		93	61 - 120	2	30
3,3'-Dichlorobenzidine			3.33	2.44		mg/Kg		73	10 - 120	9	30
3-Nitroaniline			3.33	2.88		mg/Kg		86	18 - 122	5	30
4,6-Dinitro-2-methylphenol			6.67	6.72		mg/Kg		101	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	3.32		mg/Kg		100	60 - 120	3	30
4-Chloro-3-methylphenol			3.33	3.12		mg/Kg		94	66 - 120	1	30
4-Chloroaniline			3.33	2.54		mg/Kg		76	10 - 120	5	30
4-Chlorophenyl phenyl ether			3.33	3.24		mg/Kg		97	62 - 120	6	30
4-Methylphenol			3.33	3.10		mg/Kg		93	61 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030171/3-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030171

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.99		mg/Kg		90	51 - 120	4	30
4-Nitrophenol			6.67	6.13		mg/Kg		92	42 - 132	3	30
Acenaphthene			3.33	3.21		mg/Kg		96	65 - 120	2	30
Acenaphthylene			3.33	3.24		mg/Kg		97	64 - 120	3	30
Acetophenone			3.33	2.87		mg/Kg		86	61 - 120	1	30
Anthracene			3.33	3.27		mg/Kg		98	67 - 120	3	30
Atrazine			1.33	2.49	*	mg/Kg		187	32 - 150	12	30
Benzaldehyde			1.33	2.50	*	mg/Kg		187	28 - 150	7	30
Benzo[a]anthracene			3.33	3.20		mg/Kg		96	66 - 120	5	30
Benzo[a]pyrene			3.33	3.49		mg/Kg		105	73 - 123	4	30
Benzo[b]fluoranthene			3.33	3.40		mg/Kg		102	70 - 125	2	30
Benzo[g,h,i]perylene			3.33	3.65		mg/Kg		110	66 - 120	3	30
Benzo[k]fluoranthene			3.33	3.34		mg/Kg		100	67 - 122	4	30
Bis(2-chloroethoxy)methane			3.33	3.10		mg/Kg		93	62 - 120	0	30
Bis(2-chloroethyl)ether			3.33	3.27		mg/Kg		98	60 - 120	2	30
Bis(2-ethylhexyl) phthalate			3.33	3.23		mg/Kg		97	64 - 125	4	30
Butyl benzyl phthalate			3.33	3.28		mg/Kg		98	62 - 127	3	30
Caprolactam			1.33	2.25	*	mg/Kg		168	36 - 150	8	30
Carbazole			3.33	3.26		mg/Kg		98	64 - 120	4	30
Chrysene			3.33	3.24		mg/Kg		97	67 - 120	4	30
Dibenz(a,h)anthracene			3.33	3.66		mg/Kg		110	66 - 128	3	30
Dibenzofuran			3.33	3.19		mg/Kg		96	61 - 120	4	30
Diethyl phthalate			3.33	3.10		mg/Kg		93	63 - 120	4	30
Dimethyl phthalate			3.33	3.16		mg/Kg		95	65 - 120	5	30
Di-n-butyl phthalate			3.33	3.22		mg/Kg		97	66 - 120	3	30
Di-n-octyl phthalate			3.33	3.24		mg/Kg		97	61 - 123	3	30
Fluoranthene			3.33	3.15		mg/Kg		94	61 - 120	4	30
Fluorene			3.33	3.20		mg/Kg		96	64 - 120	4	30
Hexachlorobenzene			3.33	3.40		mg/Kg		102	66 - 120	4	30
Hexachlorobutadiene			3.33	3.22		mg/Kg		97	62 - 120	3	30
Hexachlorocyclopentadiene			3.33	3.31		mg/Kg		99	13 - 120	3	30
Hexachloroethane			3.33	3.40		mg/Kg		102	61 - 120	1	30
Indeno[1,2,3-cd]pyrene			3.33	3.71		mg/Kg		111	71 - 137	4	30
Isophorone			3.33	3.07		mg/Kg		92	61 - 120	2	30
Naphthalene			3.33	3.15		mg/Kg		95	63 - 120	1	30
Nitrobenzene			3.33	3.20		mg/Kg		96	63 - 120	1	30
N-Nitrosodi-n-propylamine			3.33	3.23		mg/Kg		97	56 - 120	0	30
N-Nitrosodiphenylamine			3.33	3.29		mg/Kg		99	63 - 120	3	30
Pentachlorophenol			6.67	6.72		mg/Kg		101	61 - 126	4	30
Phenanthrene			3.33	3.26		mg/Kg		98	66 - 120	4	30
Phenol			3.33	3.14		mg/Kg		94	63 - 120	2	30
Pyrene			3.33	3.28		mg/Kg		98	61 - 121	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 137*
2-Fluorobiphenyl	*94*		*38 - 128*
2-Fluorophenol (Surr)	*97*		*31 - 133*
Nitrobenzene-d5 (Surr)	*91*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030171/3-A
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030171

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*89*		*35 - 132*
Terphenyl-d14 (Surr)	*91*		*44 - 147*

Lab Sample ID: 460-323518-A-15-A MS
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.35	U	3.54	3.15		mg/Kg	☼	89	64 - 120
1,2,4,5-Tetrachlorobenzene	0.35	U	3.54	3.15		mg/Kg	☼	89	60 - 120
1,4-Dioxane	0.035	U	3.54	1.71		mg/Kg	☼	48	27 - 120
2,2'-oxybis[1-chloropropane]	0.35	U	3.54	2.78		mg/Kg	☼	78	46 - 126
2,3,4,6-Tetrachlorophenol	0.35	U	3.54	3.06		mg/Kg	☼	86	62 - 120
2,4,5-Trichlorophenol	0.35	U	3.54	3.24		mg/Kg	☼	92	64 - 120
2,4,6-Trichlorophenol	0.14	U	3.54	3.32		mg/Kg	☼	94	65 - 120
2,4-Dichlorophenol	0.14	U	3.54	3.10		mg/Kg	☼	88	66 - 120
2,4-Dimethylphenol	0.35	U	3.54	2.61		mg/Kg	☼	74	46 - 120
2,4-Dinitrophenol	0.28	U	7.08	3.52		mg/Kg	☼	50	41 - 129
2,4-Dinitrotoluene	0.071	U	3.54	3.12		mg/Kg	☼	88	65 - 124
2,6-Dinitrotoluene	0.071	U	3.54	3.13		mg/Kg	☼	88	67 - 121
2-Chloronaphthalene	0.35	U	3.54	3.13		mg/Kg	☼	88	64 - 120
2-Chlorophenol	0.35	U	3.54	2.98		mg/Kg	☼	84	63 - 120
2-Methylnaphthalene	0.35	U	3.54	2.88		mg/Kg	☼	81	64 - 120
2-Methylphenol	0.35	U	3.54	2.87		mg/Kg	☼	81	63 - 120
2-Nitroaniline	0.35	U	3.54	2.91		mg/Kg	☼	82	48 - 120
2-Nitrophenol	0.35	U	3.54	2.97		mg/Kg	☼	84	64 - 120
3 & 4 Methylphenol	0.35	U	3.54	2.85		mg/Kg	☼	80	61 - 120
3,3'-Dichlorobenzidine	0.14	U	3.54	2.20		mg/Kg	☼	62	10 - 120
3-Nitroaniline	0.35	U	3.54	2.85		mg/Kg	☼	80	18 - 122
4,6-Dinitro-2-methylphenol	0.28	U	7.08	5.33		mg/Kg	☼	75	58 - 136
4-Bromophenyl phenyl ether	0.35	U	3.54	3.38		mg/Kg	☼	95	60 - 120
4-Chloro-3-methylphenol	0.35	U	3.54	2.94		mg/Kg	☼	83	66 - 120
4-Chloroaniline	0.35	U	3.54	2.20		mg/Kg	☼	62	10 - 120
4-Chlorophenyl phenyl ether	0.35	U	3.54	3.07		mg/Kg	☼	87	62 - 120
4-Methylphenol	0.35	U	3.54	2.85		mg/Kg	☼	80	61 - 120
4-Nitroaniline	0.35	U	3.54	2.74		mg/Kg	☼	77	51 - 120
4-Nitrophenol	0.71	U	7.08	5.56		mg/Kg	☼	79	42 - 132
Acenaphthene	0.35	U	3.54	3.09		mg/Kg	☼	87	65 - 120
Acenaphthylene	0.35	U	3.54	3.10		mg/Kg	☼	88	64 - 120
Acetophenone	0.35	U	3.54	2.74		mg/Kg	☼	78	61 - 120
Anthracene	0.35	U	3.54	3.24		mg/Kg	☼	92	67 - 120
Atrazine	0.14	U *	1.42	2.50	*	mg/Kg	☼	176	32 - 150
Benzaldehyde	0.35	U *	1.42	2.19	*	mg/Kg	☼	155	28 - 150
Benzo[a]anthracene	0.035	U	3.54	3.14		mg/Kg	☼	89	66 - 120
Benzo[a]pyrene	0.0099	J	3.54	3.43		mg/Kg	☼	97	73 - 123
Benzo[b]fluoranthene	0.015	J	3.54	3.29		mg/Kg	☼	92	70 - 125
Benzo[g,h,i]perylene	0.012	J	3.54	3.67		mg/Kg	☼	103	66 - 120
Benzo[k]fluoranthene	0.011	J	3.54	3.20		mg/Kg	☼	90	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323518-A-15-A MS
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.35	U	3.54	2.98		mg/Kg	☼	84	62 - 120
Bis(2-chloroethyl)ether	0.035	U	3.54	2.92		mg/Kg	☼	82	60 - 120
Bis(2-ethylhexyl) phthalate	0.35	U	3.54	3.44		mg/Kg	☼	97	64 - 125
Butyl benzyl phthalate	0.35	U	3.54	3.56		mg/Kg	☼	101	62 - 127
Caprolactam	0.35	U *	1.42	2.05		mg/Kg	☼	145	36 - 150
Carbazole	0.35	U	3.54	3.12		mg/Kg	☼	88	64 - 120
Chrysene	0.35	U	3.54	3.16		mg/Kg	☼	89	67 - 120
Dibenz(a,h)anthracene	0.035	U	3.54	3.71		mg/Kg	☼	105	66 - 128
Dibenzofuran	0.35	U	3.54	3.09		mg/Kg	☼	87	61 - 120
Diethyl phthalate	0.35	U	3.54	3.02		mg/Kg	☼	85	63 - 120
Dimethyl phthalate	0.35	U	3.54	3.13		mg/Kg	☼	88	65 - 120
Di-n-butyl phthalate	0.028	J	3.54	3.27		mg/Kg	☼	92	66 - 120
Di-n-octyl phthalate	0.35	U	3.54	3.32		mg/Kg	☼	94	61 - 123
Fluoranthene	0.016	J	3.54	2.93		mg/Kg	☼	82	61 - 120
Fluorene	0.35	U	3.54	3.05		mg/Kg	☼	86	64 - 120
Hexachlorobenzene	0.035	U	3.54	3.29		mg/Kg	☼	93	66 - 120
Hexachlorobutadiene	0.071	U	3.54	2.85		mg/Kg	☼	81	62 - 120
Hexachlorocyclopentadiene	0.35	U	3.54	2.75		mg/Kg	☼	78	13 - 120
Hexachloroethane	0.035	U	3.54	2.78		mg/Kg	☼	79	61 - 120
Indeno[1,2,3-cd]pyrene	0.035	U	3.54	3.78		mg/Kg	☼	107	71 - 137
Isophorone	0.14	U	3.54	2.84		mg/Kg	☼	80	61 - 120
Naphthalene	0.35	U	3.54	2.87		mg/Kg	☼	81	63 - 120
Nitrobenzene	0.035	U	3.54	2.83		mg/Kg	☼	80	63 - 120
N-Nitrosodi-n-propylamine	0.035	U	3.54	3.01		mg/Kg	☼	85	56 - 120
N-Nitrosodiphenylamine	0.35	U	3.54	3.24		mg/Kg	☼	92	63 - 120
Pentachlorophenol	0.28	U	7.08	6.22		mg/Kg	☼	88	61 - 126
Phenanthrene	0.015	J	3.54	3.20		mg/Kg	☼	90	66 - 120
Phenol	0.35	U	3.54	2.91		mg/Kg	☼	82	63 - 120
Pyrene	0.016	J	3.54	3.46		mg/Kg	☼	97	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 137*
2-Fluorobiphenyl	*93*		*38 - 128*
2-Fluorophenol (Surr)	*86*		*31 - 133*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*99*		*44 - 147*

Lab Sample ID: 460-323518-A-15-B MSD
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.35	U	3.54	3.50		mg/Kg	☼	99	64 - 120	10	30
1,2,4,5-Tetrachlorobenzene	0.35	U	3.54	3.52		mg/Kg	☼	100	60 - 120	11	30
1,4-Dioxane	0.035	U	3.54	1.93		mg/Kg	☼	55	27 - 120	12	30
2,2'-oxybis[1-chloropropane]	0.35	U	3.54	3.01		mg/Kg	☼	85	46 - 126	8	30
2,3,4,6-Tetrachlorophenol	0.35	U	3.54	3.34		mg/Kg	☼	94	62 - 120	9	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323518-A-15-B MSD
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.35	U	3.54	3.64		mg/Kg	☼	103	64 - 120	12	30
2,4,6-Trichlorophenol	0.14	U	3.54	3.62		mg/Kg	☼	102	65 - 120	9	30
2,4-Dichlorophenol	0.14	U	3.54	3.41		mg/Kg	☼	97	66 - 120	10	30
2,4-Dimethylphenol	0.35	U	3.54	2.78		mg/Kg	☼	79	46 - 120	6	30
2,4-Dinitrophenol	0.28	U	7.07	3.80		mg/Kg	☼	54	41 - 129	8	30
2,4-Dinitrotoluene	0.071	U	3.54	3.35		mg/Kg	☼	95	65 - 124	7	30
2,6-Dinitrotoluene	0.071	U	3.54	3.47		mg/Kg	☼	98	67 - 121	11	30
2-Chloronaphthalene	0.35	U	3.54	3.48		mg/Kg	☼	99	64 - 120	11	30
2-Chlorophenol	0.35	U	3.54	3.20		mg/Kg	☼	91	63 - 120	7	30
2-Methylnaphthalene	0.35	U	3.54	3.21		mg/Kg	☼	91	64 - 120	11	30
2-Methylphenol	0.35	U	3.54	3.08		mg/Kg	☼	87	63 - 120	7	30
2-Nitroaniline	0.35	U	3.54	3.12		mg/Kg	☼	88	48 - 120	7	30
2-Nitrophenol	0.35	U	3.54	3.34		mg/Kg	☼	94	64 - 120	12	30
3 & 4 Methylphenol	0.35	U	3.54	2.97		mg/Kg	☼	84	61 - 120	4	30
3,3'-Dichlorobenzidine	0.14	U	3.54	2.21		mg/Kg	☼	62	10 - 120	1	30
3-Nitroaniline	0.35	U	3.54	3.08		mg/Kg	☼	87	18 - 122	8	30
4,6-Dinitro-2-methylphenol	0.28	U	7.07	5.98		mg/Kg	☼	85	58 - 136	11	30
4-Bromophenyl phenyl ether	0.35	U	3.54	3.71		mg/Kg	☼	105	60 - 120	9	30
4-Chloro-3-methylphenol	0.35	U	3.54	3.25		mg/Kg	☼	92	66 - 120	10	30
4-Chloroaniline	0.35	U	3.54	2.33		mg/Kg	☼	66	10 - 120	6	30
4-Chlorophenyl phenyl ether	0.35	U	3.54	3.41		mg/Kg	☼	96	62 - 120	10	30
4-Methylphenol	0.35	U	3.54	2.97		mg/Kg	☼	84	61 - 120	4	30
4-Nitroaniline	0.35	U	3.54	3.03		mg/Kg	☼	86	51 - 120	10	30
4-Nitrophenol	0.71	U	7.07	6.14		mg/Kg	☼	87	42 - 132	10	30
Acenaphthene	0.35	U	3.54	3.44		mg/Kg	☼	97	65 - 120	11	30
Acenaphthylene	0.35	U	3.54	3.45		mg/Kg	☼	98	64 - 120	11	30
Acetophenone	0.35	U	3.54	2.93		mg/Kg	☼	83	61 - 120	7	30
Anthracene	0.35	U	3.54	3.51		mg/Kg	☼	99	67 - 120	8	30
Atrazine	0.14	U *	1.41	2.75	*	mg/Kg	☼	194	32 - 150	10	30
Benzaldehyde	0.35	U *	1.41	2.37	*	mg/Kg	☼	167	28 - 150	8	30
Benzo[a]anthracene	0.035	U	3.54	3.47		mg/Kg	☼	98	66 - 120	10	30
Benzo[a]pyrene	0.0099	J	3.54	3.71		mg/Kg	☼	105	73 - 123	8	30
Benzo[b]fluoranthene	0.015	J	3.54	3.56		mg/Kg	☼	100	70 - 125	8	30
Benzo[g,h,i]perylene	0.012	J	3.54	3.95		mg/Kg	☼	111	66 - 120	8	30
Benzo[k]fluoranthene	0.011	J	3.54	3.47		mg/Kg	☼	98	67 - 122	8	30
Bis(2-chloroethoxy)methane	0.35	U	3.54	3.25		mg/Kg	☼	92	62 - 120	9	30
Bis(2-chloroethyl)ether	0.035	U	3.54	3.17		mg/Kg	☼	90	60 - 120	8	30
Bis(2-ethylhexyl) phthalate	0.35	U	3.54	3.74		mg/Kg	☼	106	64 - 125	8	30
Butyl benzyl phthalate	0.35	U	3.54	3.77		mg/Kg	☼	107	62 - 127	6	30
Caprolactam	0.35	U *	1.41	2.16	*	mg/Kg	☼	153	36 - 150	5	30
Carbazole	0.35	U	3.54	3.39		mg/Kg	☼	96	64 - 120	8	30
Chrysene	0.35	U	3.54	3.52		mg/Kg	☼	99	67 - 120	11	30
Dibenz(a,h)anthracene	0.035	U	3.54	4.03		mg/Kg	☼	114	66 - 128	8	30
Dibenzofuran	0.35	U	3.54	3.38		mg/Kg	☼	96	61 - 120	9	30
Diethyl phthalate	0.35	U	3.54	3.28		mg/Kg	☼	93	63 - 120	8	30
Dimethyl phthalate	0.35	U	3.54	3.37		mg/Kg	☼	95	65 - 120	7	30
Di-n-butyl phthalate	0.028	J	3.54	3.51		mg/Kg	☼	98	66 - 120	7	30
Di-n-octyl phthalate	0.35	U	3.54	3.54		mg/Kg	☼	100	61 - 123	6	30
Fluoranthene	0.016	J	3.54	3.22		mg/Kg	☼	91	61 - 120	9	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323518-A-15-B MSD
Matrix: Solid
Analysis Batch: 1030259

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.35	U	3.54	3.40		mg/Kg	☼	96	64 - 120	11	30
Hexachlorobenzene	0.035	U	3.54	3.68		mg/Kg	☼	104	66 - 120	11	30
Hexachlorobutadiene	0.071	U	3.54	3.22		mg/Kg	☼	91	62 - 120	12	30
Hexachlorocyclopentadiene	0.35	U	3.54	3.20		mg/Kg	☼	91	13 - 120	15	30
Hexachloroethane	0.035	U	3.54	3.02		mg/Kg	☼	86	61 - 120	8	30
Indeno[1,2,3-cd]pyrene	0.035	U	3.54	4.09		mg/Kg	☼	116	71 - 137	8	30
Isophorone	0.14	U	3.54	3.11		mg/Kg	☼	88	61 - 120	9	30
Naphthalene	0.35	U	3.54	3.17		mg/Kg	☼	90	63 - 120	10	30
Nitrobenzene	0.035	U	3.54	3.17		mg/Kg	☼	90	63 - 120	11	30
N-Nitrosodi-n-propylamine	0.035	U	3.54	3.22		mg/Kg	☼	91	56 - 120	7	30
N-Nitrosodiphenylamine	0.35	U	3.54	3.53		mg/Kg	☼	100	63 - 120	8	30
Pentachlorophenol	0.28	U	7.07	6.88		mg/Kg	☼	97	61 - 126	10	30
Phenanthrene	0.015	J	3.54	3.48		mg/Kg	☼	98	66 - 120	9	30
Phenol	0.35	U	3.54	3.08		mg/Kg	☼	87	63 - 120	6	30
Pyrene	0.016	J	3.54	3.76		mg/Kg	☼	106	61 - 121	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*
2-Fluorobiphenyl	*92*		*38 - 128*
2-Fluorophenol (Surr)	*85*		*31 - 133*
Nitrobenzene-d5 (Surr)	*83*		*31 - 120*
Phenol-d5 (Surr)	*83*		*35 - 132*
Terphenyl-d14 (Surr)	*97*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1030013/1-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/06/25 08:42	04/06/25 19:18	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1030013/1-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/06/25 08:42	04/06/25 19:18	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/06/25 08:42	04/06/25 19:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:18*	*1*
DCB Decachlorobiphenyl	*88*		*17 - 150*	*04/06/25 08:42*	*04/06/25 19:18*	*1*
Tetrachloro-m-xylene	*111*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:18*	*1*
Tetrachloro-m-xylene	*111*		*21 - 150*	*04/06/25 08:42*	*04/06/25 19:18*	*1*

Lab Sample ID: LCS 460-1030013/2-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.126		mg/Kg		94	70 - 138
4,4'-DDD	0.133	0.110		mg/Kg		82	70 - 138
4,4'-DDE	0.133	0.124		mg/Kg		93	68 - 136
4,4'-DDE	0.133	0.117		mg/Kg		87	68 - 136
4,4'-DDT	0.133	0.123		mg/Kg		92	66 - 149
4,4'-DDT	0.133	0.103		mg/Kg		77	66 - 149
Aldrin	0.133	0.116		mg/Kg		87	69 - 136
Aldrin	0.133	0.112		mg/Kg		84	69 - 136
alpha-BHC	0.133	0.117		mg/Kg		87	72 - 134
alpha-BHC	0.133	0.113		mg/Kg		84	72 - 134
beta-BHC	0.133	0.113		mg/Kg		85	71 - 130
beta-BHC	0.133	0.110		mg/Kg		82	71 - 130

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1030013/2-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030013

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
cis-Chlordane			0.133	0.119		mg/Kg		89	69 - 135		
cis-Chlordane			0.133	0.113		mg/Kg		85	69 - 135		
delta-BHC			0.133	0.112		mg/Kg		84	69 - 140		
delta-BHC			0.133	0.103		mg/Kg		77	69 - 140		
Dieldrin			0.133	0.119		mg/Kg		89	69 - 134		
Dieldrin			0.133	0.113		mg/Kg		85	69 - 134		
Endosulfan I			0.133	0.122		mg/Kg		91	69 - 133		
Endosulfan I			0.133	0.116		mg/Kg		87	69 - 133		
Endosulfan II			0.133	0.127		mg/Kg		95	71 - 137		
Endosulfan II			0.133	0.115		mg/Kg		87	71 - 137		
Endosulfan sulfate			0.133	0.122		mg/Kg		91	61 - 140		
Endosulfan sulfate			0.133	0.103		mg/Kg		77	61 - 140		
Endrin			0.133	0.129		mg/Kg		97	67 - 141		
Endrin			0.133	0.126		mg/Kg		95	67 - 141		
Endrin aldehyde			0.133	0.117		mg/Kg		88	71 - 136		
Endrin aldehyde			0.133	0.0996		mg/Kg		75	71 - 136		
Endrin ketone			0.133	0.109		mg/Kg		82	60 - 146		
Endrin ketone			0.133	0.0957		mg/Kg		72	60 - 146		
gamma-BHC (Lindane)			0.133	0.120		mg/Kg		90	72 - 139		
gamma-BHC (Lindane)			0.133	0.109		mg/Kg		82	72 - 139		
Heptachlor			0.133	0.128		mg/Kg		96	74 - 138		
Heptachlor			0.133	0.116		mg/Kg		87	74 - 138		
Heptachlor epoxide			0.133	0.121		mg/Kg		91	72 - 134		
Heptachlor epoxide			0.133	0.115		mg/Kg		86	72 - 134		
Methoxychlor			0.133	0.142		mg/Kg		106	60 - 150		
Methoxychlor			0.133	0.105		mg/Kg		79	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*17 - 150*
DCB Decachlorobiphenyl	*59*		*17 - 150*
Tetrachloro-m-xylene	*76*		*21 - 150*
Tetrachloro-m-xylene	*90*		*21 - 150*

Lab Sample ID: LCSD 460-1030013/3-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030013

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.121		mg/Kg		91	70 - 138	4	30
4,4'-DDD			0.133	0.105		mg/Kg		79	70 - 138	4	30
4,4'-DDE			0.133	0.119		mg/Kg		89	68 - 136	4	30
4,4'-DDE			0.133	0.112		mg/Kg		84	68 - 136	4	30
4,4'-DDT			0.133	0.117		mg/Kg		88	66 - 149	5	30
4,4'-DDT			0.133	0.0981		mg/Kg		74	66 - 149	5	30
Aldrin			0.133	0.111		mg/Kg		83	69 - 136	5	30
Aldrin			0.133	0.107		mg/Kg		80	69 - 136	5	30
alpha-BHC			0.133	0.111		mg/Kg		84	72 - 134	5	30
alpha-BHC			0.133	0.107		mg/Kg		81	72 - 134	5	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1030013/3-A
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030013

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
beta-BHC			0.133	0.108		mg/Kg		81	71 - 130	4	30
beta-BHC			0.133	0.105		mg/Kg		79	71 - 130	4	30
cis-Chlordane			0.133	0.114		mg/Kg		86	69 - 135	4	30
cis-Chlordane			0.133	0.108		mg/Kg		81	69 - 135	4	30
delta-BHC			0.133	0.108		mg/Kg		81	69 - 140	4	30
delta-BHC			0.133	0.0983		mg/Kg		74	69 - 140	4	30
Dieldrin			0.133	0.114		mg/Kg		85	69 - 134	4	30
Dieldrin			0.133	0.109		mg/Kg		81	69 - 134	4	30
Endosulfan I			0.133	0.117		mg/Kg		88	69 - 133	4	30
Endosulfan I			0.133	0.112		mg/Kg		84	69 - 133	4	30
Endosulfan II			0.133	0.122		mg/Kg		92	71 - 137	4	30
Endosulfan II			0.133	0.111		mg/Kg		83	71 - 137	4	30
Endosulfan sulfate			0.133	0.117		mg/Kg		88	61 - 140	4	30
Endosulfan sulfate			0.133	0.100		mg/Kg		75	61 - 140	3	30
Endrin			0.133	0.124		mg/Kg		93	67 - 141	4	30
Endrin			0.133	0.121		mg/Kg		91	67 - 141	4	30
Endrin aldehyde			0.133	0.113		mg/Kg		85	71 - 136	4	30
Endrin aldehyde			0.133	0.0964		mg/Kg		72	71 - 136	3	30
Endrin ketone			0.133	0.104		mg/Kg		78	60 - 146	5	30
Endrin ketone			0.133	0.0923		mg/Kg		69	60 - 146	4	30
gamma-BHC (Lindane)			0.133	0.115		mg/Kg		86	72 - 139	4	30
gamma-BHC (Lindane)			0.133	0.105		mg/Kg		78	72 - 139	4	30
Heptachlor			0.133	0.122		mg/Kg		91	74 - 138	5	30
Heptachlor			0.133	0.110		mg/Kg		83	74 - 138	5	30
Heptachlor epoxide			0.133	0.116		mg/Kg		87	72 - 134	4	30
Heptachlor epoxide			0.133	0.110		mg/Kg		83	72 - 134	4	30
Methoxychlor			0.133	0.134		mg/Kg		101	60 - 150	6	30
Methoxychlor			0.133	0.100		mg/Kg		75	60 - 150	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*17 - 150*
DCB Decachlorobiphenyl	*58*		*17 - 150*
Tetrachloro-m-xylene	*73*		*21 - 150*
Tetrachloro-m-xylene	*86*		*21 - 150*

Lab Sample ID: 460-323526-1 MS
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0074	U	0.148	0.133		mg/Kg	☼	90	70 - 138
4,4'-DDD	0.0074	U	0.148	0.115		mg/Kg	☼	78	70 - 138
4,4'-DDE	0.0074	U	0.148	0.132		mg/Kg	☼	90	68 - 136
4,4'-DDE	0.0074	U	0.148	0.122		mg/Kg	☼	83	68 - 136
4,4'-DDT	0.0074	U	0.148	0.118		mg/Kg	☼	80	66 - 149
4,4'-DDT	0.0074	U	0.148	0.0993		mg/Kg	☼	67	66 - 149
Aldrin	0.0074	U	0.148	0.125		mg/Kg	☼	84	69 - 136
Aldrin	0.0074	U	0.148	0.117		mg/Kg	☼	79	69 - 136

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323526-1 MS
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
alpha-BHC	0.0022	U	0.148	0.123		mg/Kg	☼	83	72 - 134
alpha-BHC	0.0022	U	0.148	0.116		mg/Kg	☼	78	72 - 134
beta-BHC	0.0022	U	0.148	0.122		mg/Kg	☼	82	71 - 130
beta-BHC	0.0022	U	0.148	0.118		mg/Kg	☼	80	71 - 130
cis-Chlordane	0.0074	U	0.148	0.130		mg/Kg	☼	88	69 - 135
cis-Chlordane	0.0074	U	0.148	0.119		mg/Kg	☼	81	69 - 135
delta-BHC	0.0022	U	0.148	0.113		mg/Kg	☼	76	69 - 140
delta-BHC	0.0022	U	0.148	0.100	*	mg/Kg	☼	68	69 - 140
Dieldrin	0.0022	U	0.148	0.127		mg/Kg	☼	86	69 - 134
Dieldrin	0.0022	U	0.148	0.120		mg/Kg	☼	81	69 - 134
Endosulfan I	0.0074	U	0.148	0.131		mg/Kg	☼	88	69 - 133
Endosulfan I	0.0074	U	0.148	0.122		mg/Kg	☼	83	69 - 133
Endosulfan II	0.0074	U	0.148	0.134		mg/Kg	☼	91	71 - 137
Endosulfan II	0.0074	U	0.148	0.120		mg/Kg	☼	81	71 - 137
Endosulfan sulfate	0.0074	U	0.148	0.125		mg/Kg	☼	85	61 - 140
Endosulfan sulfate	0.0074	U	0.148	0.105		mg/Kg	☼	71	61 - 140
Endrin	0.0074	U	0.148	0.132		mg/Kg	☼	89	67 - 141
Endrin	0.0074	U	0.148	0.128		mg/Kg	☼	87	67 - 141
Endrin aldehyde	0.0074	U	0.148	0.127		mg/Kg	☼	86	71 - 136
Endrin aldehyde	0.0074	U	0.148	0.111		mg/Kg	☼	75	71 - 136
Endrin ketone	0.0074	U	0.148	0.111		mg/Kg	☼	75	60 - 146
Endrin ketone	0.0074	U	0.148	0.0970		mg/Kg	☼	66	60 - 146
gamma-BHC (Lindane)	0.0022	U	0.148	0.125		mg/Kg	☼	85	72 - 139
gamma-BHC (Lindane)	0.0022	U	0.148	0.111		mg/Kg	☼	75	72 - 139
Heptachlor	0.0074	U	0.148	0.130		mg/Kg	☼	88	74 - 138
Heptachlor	0.0074	U	0.148	0.117		mg/Kg	☼	79	74 - 138
Heptachlor epoxide	0.0074	U	0.148	0.130		mg/Kg	☼	88	72 - 134
Heptachlor epoxide	0.0074	U	0.148	0.121		mg/Kg	☼	82	72 - 134
Methoxychlor	0.0074	U	0.148	0.135		mg/Kg	☼	91	60 - 150
Methoxychlor	0.0074	U	0.148	0.101		mg/Kg	☼	68	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*17 - 150*
DCB Decachlorobiphenyl	*57*		*17 - 150*
Tetrachloro-m-xylene	*74*		*21 - 150*
Tetrachloro-m-xylene	*83*		*21 - 150*

Lab Sample ID: 460-323526-1 MSD
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0074	U	0.147	0.138		mg/Kg	☼	94	70 - 138	4	30
4,4'-DDD	0.0074	U	0.147	0.121		mg/Kg	☼	82	70 - 138	5	30
4,4'-DDE	0.0074	U	0.147	0.137		mg/Kg	☼	93	68 - 136	4	30
4,4'-DDE	0.0074	U	0.147	0.128		mg/Kg	☼	87	68 - 136	5	30
4,4'-DDT	0.0074	U	0.147	0.123		mg/Kg	☼	84	66 - 149	4	30
4,4'-DDT	0.0074	U	0.147	0.105		mg/Kg	☼	71	66 - 149	5	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323526-1 MSD
Matrix: Solid
Analysis Batch: 1030074

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin	0.0074	U	0.147	0.130		mg/Kg	☼	88	69 - 136	4	30
Aldrin	0.0074	U	0.147	0.123		mg/Kg	☼	84	69 - 136	5	30
alpha-BHC	0.0022	U	0.147	0.128		mg/Kg	☼	87	72 - 134	4	30
alpha-BHC	0.0022	U	0.147	0.122		mg/Kg	☼	83	72 - 134	5	30
beta-BHC	0.0022	U	0.147	0.126		mg/Kg	☼	86	71 - 130	4	30
beta-BHC	0.0022	U	0.147	0.123		mg/Kg	☼	84	71 - 130	4	30
cis-Chlordane	0.0074	U	0.147	0.134		mg/Kg	☼	91	69 - 135	4	30
cis-Chlordane	0.0074	U	0.147	0.125		mg/Kg	☼	85	69 - 135	5	30
delta-BHC	0.0022	U	0.147	0.119		mg/Kg	☼	81	69 - 140	5	30
delta-BHC	0.0022	U	0.147	0.107		mg/Kg	☼	73	69 - 140	6	30
Dieldrin	0.0022	U	0.147	0.132		mg/Kg	☼	90	69 - 134	4	30
Dieldrin	0.0022	U	0.147	0.125		mg/Kg	☼	85	69 - 134	5	30
Endosulfan I	0.0074	U	0.147	0.136		mg/Kg	☼	92	69 - 133	4	30
Endosulfan I	0.0074	U	0.147	0.128		mg/Kg	☼	87	69 - 133	5	30
Endosulfan II	0.0074	U	0.147	0.139		mg/Kg	☼	95	71 - 137	4	30
Endosulfan II	0.0074	U	0.147	0.126		mg/Kg	☼	86	71 - 137	5	30
Endosulfan sulfate	0.0074	U	0.147	0.131		mg/Kg	☼	89	61 - 140	4	30
Endosulfan sulfate	0.0074	U	0.147	0.111		mg/Kg	☼	76	61 - 140	5	30
Endrin	0.0074	U	0.147	0.136		mg/Kg	☼	93	67 - 141	3	30
Endrin	0.0074	U	0.147	0.134		mg/Kg	☼	91	67 - 141	4	30
Endrin aldehyde	0.0074	U	0.147	0.133		mg/Kg	☼	90	71 - 136	4	30
Endrin aldehyde	0.0074	U	0.147	0.117		mg/Kg	☼	80	71 - 136	6	30
Endrin ketone	0.0074	U	0.147	0.117		mg/Kg	☼	79	60 - 146	6	30
Endrin ketone	0.0074	U	0.147	0.103		mg/Kg	☼	70	60 - 146	6	30
gamma-BHC (Lindane)	0.0022	U	0.147	0.130		mg/Kg	☼	89	72 - 139	4	30
gamma-BHC (Lindane)	0.0022	U	0.147	0.117		mg/Kg	☼	79	72 - 139	5	30
Heptachlor	0.0074	U	0.147	0.135		mg/Kg	☼	92	74 - 138	3	30
Heptachlor	0.0074	U	0.147	0.123		mg/Kg	☼	83	74 - 138	4	30
Heptachlor epoxide	0.0074	U	0.147	0.134		mg/Kg	☼	91	72 - 134	3	30
Heptachlor epoxide	0.0074	U	0.147	0.126		mg/Kg	☼	86	72 - 134	5	30
Methoxychlor	0.0074	U	0.147	0.140		mg/Kg	☼	95	60 - 150	4	30
Methoxychlor	0.0074	U	0.147	0.105		mg/Kg	☼	71	60 - 150	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*17 - 150*
DCB Decachlorobiphenyl	*61*		*17 - 150*
Tetrachloro-m-xylene	*76*		*21 - 150*
Tetrachloro-m-xylene	*89*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1030014/1-A
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1030014/1-A
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/06/25 08:47	04/06/25 19:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:11*	*1*
DCB Decachlorobiphenyl	*94*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:11*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:11*	*1*
Tetrachloro-m-xylene	*129*		*20 - 150*	*04/06/25 08:47*	*04/06/25 19:11*	*1*

Lab Sample ID: LCS 460-1030014/2-A
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030014

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.284		mg/Kg		85	54 - 136		
Aroclor 1016			0.333	0.305		mg/Kg		91	54 - 136		
Aroclor 1260			0.333	0.269		mg/Kg		81	53 - 145		
Aroclor 1260			0.333	0.321		mg/Kg		96	53 - 145		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*20 - 150*
DCB Decachlorobiphenyl	*76*		*20 - 150*
Tetrachloro-m-xylene	*84*		*20 - 150*
Tetrachloro-m-xylene	*107*		*20 - 150*

Lab Sample ID: LCSD 460-1030014/3-A
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030014

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.273		mg/Kg		82	54 - 136	4	30
Aroclor 1016			0.333	0.304		mg/Kg		91	54 - 136	0	30
Aroclor 1260			0.333	0.259		mg/Kg		78	53 - 145	4	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-1030014/3-A
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030014

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1260			0.333	0.308		mg/Kg		92	53 - 145	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*64*		*20 - 150*
DCB Decachlorobiphenyl	*75*		*20 - 150*
Tetrachloro-m-xylene	*83*		*20 - 150*
Tetrachloro-m-xylene	*106*		*20 - 150*

Lab Sample ID: 460-323526-1 MS
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	0.074	U	0.370	0.337		mg/Kg	☼	91	54 - 136
Aroclor 1016	0.074	U	0.370	0.389		mg/Kg	☼	105	54 - 136
Aroclor 1260	0.074	U	0.370	0.317		mg/Kg	☼	86	53 - 145
Aroclor 1260	0.074	U	0.370	0.391		mg/Kg	☼	106	53 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*70*		*20 - 150*
DCB Decachlorobiphenyl	*85*		*20 - 150*
Tetrachloro-m-xylene	*96*		*20 - 150*
Tetrachloro-m-xylene	*114*		*20 - 150*

Lab Sample ID: 460-323526-1 MSD
Matrix: Solid
Analysis Batch: 1030077

Client Sample ID: 9A_0-5
Prep Type: Total/NA
Prep Batch: 1030014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.074	U	0.368	0.342		mg/Kg	☼	93	54 - 136	1	30
Aroclor 1016	0.074	U	0.368	0.369		mg/Kg	☼	100	54 - 136	5	30
Aroclor 1260	0.074	U	0.368	0.306		mg/Kg	☼	83	53 - 145	3	30
Aroclor 1260	0.074	U	0.368	0.388		mg/Kg	☼	106	53 - 145	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*69*		*20 - 150*
DCB Decachlorobiphenyl	*81*		*20 - 150*
Tetrachloro-m-xylene	*96*		*20 - 150*
Tetrachloro-m-xylene	*110*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651369/1-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:54	04/09/25 10:20	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:54	04/09/25 10:20	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90.2*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C5 PFHxA	*95.1*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C4 PFHpA	*117*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 PFOA	*84.8*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C9 PFNA	*88.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C6 PFDA	*89.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C7 PFUnA	*150*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C2 PFTeDA	*86.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 PFBS	*92.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 PFHxS	*76.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 PFOS	*92.7*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C8 FOSA	*94.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d3-NMeFOSAA	*98.5*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d5-NEtFOSAA	*101*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-4:2 FTS	*86.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-6:2 FTS	*84.6*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
M2-8:2 FTS	*81.9*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C3 HFPO-DA	*100*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d7-N-MeFOSE-M	*66.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d9-N-EtFOSE-M	*61.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d5-NEtPFOSA	*74.4*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
d3-NMePFOSA	*90.3*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*
13C2-PFDoDA	*88.0*		*20 - 150*	*04/08/25 14:54*	*04/09/25 10:20*	*1*

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.463		ug/Kg		103	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.195		ug/Kg		102	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.665		ug/Kg		107	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.403		ug/Kg		90	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.745		ug/Kg		112	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.622		ug/Kg		104	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.874		ug/Kg		120	40 - 150
Perfluoroundecanoic acid (PFUnA)	1.56	1.064		ug/Kg		68	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	1.56	1.789		ug/Kg		115	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.765		ug/Kg		113	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.756		ug/Kg		112	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.308		ug/Kg		94	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.727		ug/Kg		118	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.621		ug/Kg		114	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.604		ug/Kg		108	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.517		ug/Kg		104	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.511		ug/Kg		101	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.480		ug/Kg		98	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.583		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	6.054		ug/Kg		102	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.762		ug/Kg		113	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.610		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.554		ug/Kg		99	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.734		ug/Kg		111	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.599		ug/Kg		102	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.561		ug/Kg		100	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	16.06		ug/Kg		103	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	16.35		ug/Kg		105	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.428		ug/Kg		103	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.192		ug/Kg		105	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.243		ug/Kg		104	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.489		ug/Kg		112	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	5.581		ug/Kg		96	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	5.442		ug/Kg		92	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	2.965		ug/Kg		106	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	8.248		ug/Kg		106	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651369/3-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	41.49		ug/Kg		106	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	39.70		ug/Kg		102	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.533		ug/Kg		102	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.595		ug/Kg		115	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*69.2*		*20 - 150*
13C5 PFPeA	*71.3*		*20 - 150*
13C5 PFHxA	*64.0*		*20 - 150*
13C4 PFHpA	*77.4*		*20 - 150*
13C8 PFOA	*57.1*		*20 - 150*
13C9 PFNA	*61.5*		*20 - 150*
13C6 PFDA	*58.5*		*20 - 150*
13C7 PFUnA	*98.3*		*20 - 150*
13C2 PFTeDA	*56.2*		*20 - 150*
13C3 PFBS	*64.1*		*20 - 150*
13C3 PFHxS	*51.3*		*20 - 150*
13C8 PFOS	*59.0*		*20 - 150*
13C8 FOSA	*61.9*		*20 - 150*
d3-NMeFOSAA	*62.9*		*20 - 150*
d5-NEtFOSAA	*61.8*		*20 - 150*
M2-4:2 FTS	*57.2*		*20 - 150*
M2-6:2 FTS	*59.8*		*20 - 150*
M2-8:2 FTS	*52.2*		*20 - 150*
13C3 HFPO-DA	*70.6*		*20 - 150*
d7-N-MeFOSE-M	*47.0*		*20 - 150*
d9-N-EtFOSE-M	*45.9*		*20 - 150*
d5-NEtPFOSA	*48.9*		*20 - 150*
d3-NMePFOSA	*60.2*		*20 - 150*
13C2-PFDoDA	*59.0*		*20 - 150*

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.526		ug/Kg		105	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.256		ug/Kg		103	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.141		ug/Kg		113	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.111	J	ug/Kg		89	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.141		ug/Kg		113	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.141		ug/Kg		113	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.150		ug/Kg		120	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.125	0.0822	J	ug/Kg		66	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorododecanoic acid (PFDoA)	0.125	0.143		ug/Kg		114	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.137		ug/Kg		110	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.141		ug/Kg		112	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.103	J	ug/Kg		92	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.138		ug/Kg		118	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.139		ug/Kg		122	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.133		ug/Kg		112	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.134		ug/Kg		115	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.113	J	ug/Kg		94	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.113	J	ug/Kg		93	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.473	J	ug/Kg		101	40 - 150
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.532		ug/Kg		112	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.499	J	ug/Kg		104	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.127	J	ug/Kg		102	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.111	J	ug/Kg		89	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.141		ug/Kg		113	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.148		ug/Kg		119	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.134		ug/Kg		107	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.330		ug/Kg		106	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.374		ug/Kg		110	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.484	J	ug/Kg		97	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.499	J	ug/Kg		105	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.243	J	ug/Kg		97	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.290		ug/Kg		116	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.459	J	ug/Kg		98	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.430	J	ug/Kg		91	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.245	J	ug/Kg		110	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.624	J	ug/Kg		100	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651369/2-A
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.273		ug/Kg		105	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	3.379		ug/Kg		108	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.115	J	ug/Kg		96	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.267		ug/Kg		107	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*77.4*		*20 - 150*
13C5 PFPeA	*90.1*		*20 - 150*
13C5 PFHxA	*81.1*		*20 - 150*
13C4 PFHpA	*102*		*20 - 150*
13C8 PFOA	*69.4*		*20 - 150*
13C9 PFNA	*74.2*		*20 - 150*
13C6 PFDA	*73.2*		*20 - 150*
13C7 PFUnA	*118*		*20 - 150*
13C2 PFTeDA	*62.5*		*20 - 150*
13C3 PFBS	*77.3*		*20 - 150*
13C3 PFHxS	*64.3*		*20 - 150*
13C8 PFOS	*74.0*		*20 - 150*
13C8 FOSA	*76.9*		*20 - 150*
d3-NMeFOSAA	*75.9*		*20 - 150*
d5-NEtFOSAA	*73.4*		*20 - 150*
M2-4:2 FTS	*71.8*		*20 - 150*
M2-6:2 FTS	*72.9*		*20 - 150*
M2-8:2 FTS	*68.7*		*20 - 150*
13C3 HFPO-DA	*89.7*		*20 - 150*
d7-N-MeFOSE-M	*50.3*		*20 - 150*
d9-N-EtFOSE-M	*46.7*		*20 - 150*
d5-NEtPFOSA	*58.5*		*20 - 150*
d3-NMePFOSA	*73.9*		*20 - 150*
13C2-PFDoDA	*68.3*		*20 - 150*

Lab Sample ID: 460-323525-B-22-B DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Perfluorohexanoic acid (PFHxA)	0.049	J	0.0476	J	ug/Kg	☼	4	30
Perfluoroheptanoic acid (PFHpA)	0.046	J	0.0479	J	ug/Kg	☼	4	30
Perfluorooctanoic acid (PFOA)	0.092	J	0.129	J	ug/Kg	☼	34	30
Perfluorononanoic acid (PFNA)	0.30		0.402		ug/Kg	☼	30	30
Perfluorodecanoic acid (PFDA)	0.18		0.196		ug/Kg	☼	8	30
Perfluoroundecanoic acid (PFUnA)	1.83		1.929		ug/Kg	☼	5	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-B-22-B DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorododecanoic acid (PFDoA)	0.18		0.183		ug/Kg	☼	0.5	30
Perfluorotridecanoic acid (PFTrDA)	1.67		1.691		ug/Kg	☼	1	30
Perfluorotetradecanoic acid (PFTeDA)	0.052	J	0.0529	J	ug/Kg	☼	1	30
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.057	J	0.0575	J	ug/Kg	☼	0.8	30
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.42	U	ug/Kg	☼	NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.42	U	ug/Kg	☼	NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.57	U	ug/Kg	☼	NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	U	ug/Kg	☼	NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.71	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323525-B-22-B DU
Matrix: Solid
Analysis Batch: 651416

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651369

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.49	U		3.56	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.49	U		3.56	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.14	U		0.14	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U		0.28	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*96.6*		*20 - 150*
13C5 PFPeA	*107*		*20 - 150*
13C5 PFHxA	*98.5*		*20 - 150*
13C4 PFHpA	*116*		*20 - 150*
13C8 PFOA	*92.3*		*20 - 150*
13C9 PFNA	*94.0*		*20 - 150*
13C6 PFDA	*92.8*		*20 - 150*
13C7 PFUnA	*164*	*	*20 - 150*
13C2 PFTeDA	*89.4*		*20 - 150*
13C3 PFBS	*96.4*		*20 - 150*
13C3 PFHxS	*78.1*		*20 - 150*
13C8 PFOS	*93.4*		*20 - 150*
13C8 FOSA	*103*		*20 - 150*
d3-NMeFOSAA	*103*		*20 - 150*
d5-NEtFOSAA	*105*		*20 - 150*
M2-4:2 FTS	*88.6*		*20 - 150*
M2-6:2 FTS	*99.6*		*20 - 150*
M2-8:2 FTS	*85.6*		*20 - 150*
13C3 HFPO-DA	*108*		*20 - 150*
d7-N-MeFOSE-M	*81.4*		*20 - 150*
d9-N-EtFOSE-M	*72.4*		*20 - 150*
d5-NEtPFOSA	*79.5*		*20 - 150*
d3-NMePFOSA	*95.5*		*20 - 150*
13C2-PFDoDA	*92.3*		*20 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1030532/1-A
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Calcium	100	U	100	40.7	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/09/25 07:50	04/10/25 00:30	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-1030532/1-A
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Magnesium	100	U	100	10.2	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Manganese	4.0	U	4.0	0.40	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Potassium	100	U	100	16.2	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Sodium	100	U	100	45.7	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/09/25 07:50	04/10/25 00:30	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/09/25 07:50	04/10/25 00:30	1

Lab Sample ID: LCSSRM 460-1030532/2-A ^3
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	6485		mg/Kg		94.8	53.2 - 146.2
Antimony	131	95.47		mg/Kg		72.9	4.5 - 195.4
Arsenic	192	187.8		mg/Kg		97.8	81.3 - 118.8
Barium	219	217.1		mg/Kg		99.1	81.7 - 118.3
Beryllium	146	138.9		mg/Kg		95.1	82.2 - 117.8
Cadmium	114	113.7		mg/Kg		99.8	81.7 - 118.4
Calcium	4080	4112		mg/Kg		100.8	82.4 - 117.6
Chromium	153	148.4		mg/Kg		97.0	81.0 - 119.0
Cobalt	231	229.0		mg/Kg		99.1	83.1 - 117.3
Copper	91.2	87.25		mg/Kg		95.7	83.1 - 117.3
Iron	7020	6737		mg/Kg		96.0	60.7 - 139.2
Lead	141	135.3		mg/Kg		96.0	81.6 - 118.4
Magnesium	1900	1844		mg/Kg		97.1	76.3 - 123.7
Manganese	401	372.6		mg/Kg		92.9	80.8 - 119.0
Nickel	143	144.2		mg/Kg		100.8	81.8 - 118.9
Potassium	1760	1685		mg/Kg		95.7	72.2 - 127.8

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1030532/2-A ^3
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	94.7	96.46		mg/Kg		101.9	78.5 - 121.4
Silver	77.0	75.91		mg/Kg		98.6	79.4 - 120.6
Sodium	661	701.3		mg/Kg		106.1	73.7 - 126.2
Thallium	183	192.7		mg/Kg		105.3	80.3 - 119.7
Vanadium	159	151.0		mg/Kg		95.0	78.6 - 122.0
Zinc	292	285.9		mg/Kg		97.9	79.8 - 120.2

Lab Sample ID: 460-323526-13 MS
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: 10C_0-4
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6080		557	7248	4	mg/Kg	☼	210	75 - 125
Antimony	0.94	J	5.57	3.09	N	mg/Kg	☼	39	75 - 125
Arsenic	9.1		11.1	18.11		mg/Kg	☼	80	75 - 125
Barium	56.5		11.1	56.67	4	mg/Kg	☼	2	75 - 125
Beryllium	1.0		5.57	5.69		mg/Kg	☼	84	75 - 125
Cadmium	0.31	J	5.57	4.90		mg/Kg	☼	82	75 - 125
Calcium	4130		557	2237	4	mg/Kg	☼	-341	75 - 125
Chromium	32.6		11.1	34.50	N	mg/Kg	☼	17	75 - 125
Cobalt	12.2		5.57	13.42	N	mg/Kg	☼	23	75 - 125
Copper	101		11.1	78.78	4	mg/Kg	☼	-201	75 - 125
Iron	20400		557	21010	4	mg/Kg	☼	105	75 - 125
Lead	156		5.57	207.4	4	mg/Kg	☼	915	75 - 125
Magnesium	3270		557	2475	4	mg/Kg	☼	-142	75 - 125
Manganese	171		55.7	233.4		mg/Kg	☼	113	75 - 125
Nickel	44.1		11.1	39.87	N	mg/Kg	☼	-38	75 - 125
Potassium	944		557	1618		mg/Kg	☼	121	75 - 125
Selenium	0.53	J	11.1	9.64		mg/Kg	☼	82	75 - 125
Silver	0.28	J	5.57	4.89		mg/Kg	☼	83	75 - 125
Sodium	122		557	577.3		mg/Kg	☼	82	75 - 125
Thallium	0.065	J	4.46	3.85		mg/Kg	☼	85	75 - 125
Vanadium	24.2		11.1	34.72		mg/Kg	☼	95	75 - 125
Zinc	286		55.7	222.8	4	mg/Kg	☼	-113	75 - 125

Lab Sample ID: 460-323526-13 DU
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: 10C_0-4
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	6080		5794		mg/Kg	☼	5	20
Antimony	0.94	J	0.823	J	mg/Kg	☼	14	20
Arsenic	9.1		7.97		mg/Kg	☼	14	20
Barium	56.5		45.19	*	mg/Kg	☼	22	20
Beryllium	1.0		0.802		mg/Kg	☼	23	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323526-13 DU
Matrix: Solid
Analysis Batch: 1030731

Client Sample ID: 10C_0-4
Prep Type: Total/NA
Prep Batch: 1030532

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.31	J	0.304	J	mg/Kg	☼	2	20
Calcium	4130		1985	*	mg/Kg	☼	70	20
Chromium	32.6		23.46	*	mg/Kg	☼	33	20
Cobalt	12.2		12.10		mg/Kg	☼	0.5	20
Copper	101		86.46		mg/Kg	☼	16	20
Iron	20400		18860		mg/Kg	☼	8	20
Lead	156		154.8		mg/Kg	☼	1	20
Magnesium	3270		2159	*	mg/Kg	☼	41	20
Manganese	171		174.5		mg/Kg	☼	2	20
Nickel	44.1		42.69		mg/Kg	☼	3	20
Potassium	944		962.2		mg/Kg	☼	2	20
Selenium	0.53	J	0.491	J	mg/Kg	☼	8	20
Silver	0.28	J	0.233	J	mg/Kg	☼	18	20
Sodium	122		92.72	J	mg/Kg	☼	27	20
Thallium	0.065	J	0.0647	J	mg/Kg	☼	1	20
Vanadium	24.2		23.31		mg/Kg	☼	4	20
Zinc	286		266.6		mg/Kg	☼	7	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1030294/1-A
Matrix: Solid
Analysis Batch: 1030351

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030294

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/08/25 01:34	04/08/25 06:32	1

Lab Sample ID: LCSSRM 460-1030294/2-A ^40
Matrix: Solid
Analysis Batch: 1030351

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030294

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.06		mg/Kg		92.6	69.6 - 130.5

Lab Sample ID: 460-323328-A-1-K MS
Matrix: Solid
Analysis Batch: 1030351

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030294

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.024		0.0925	0.120		mg/Kg	☼	104	80 - 120

Lab Sample ID: 460-323328-A-1-J DU
Matrix: Solid
Analysis Batch: 1030351

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1030294

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.024		0.0228		mg/Kg	☼	4	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-1030491/10-A
Matrix: Solid
Analysis Batch: 1030531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030491

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/09/25 00:42	04/09/25 04:05	1

Lab Sample ID: LCSSRM 460-1030491/11-A ^40
Matrix: Solid
Analysis Batch: 1030531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030491

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.47		mg/Kg		95.5	69.6 - 130.5

Lab Sample ID: 460-323526-3 MS
Matrix: Solid
Analysis Batch: 1030531

Client Sample ID: 9B_0-5
Prep Type: Total/NA
Prep Batch: 1030491

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.029		0.0844	0.111		mg/Kg	☼	97	80 - 120

Lab Sample ID: 460-323526-3 DU
Matrix: Solid
Analysis Batch: 1030531

Client Sample ID: 9B_0-5
Prep Type: Total/NA
Prep Batch: 1030491

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.029		0.0307		mg/Kg	☼	5	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323175-A-1 DU
Matrix: Solid
Analysis Batch: 1030354

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13.8		8.6	*	%		47	20
Percent Solids	86.2		91.4		%		6	20

Lab Sample ID: 460-323667-A-2 DU
Matrix: Solid
Analysis Batch: 1030354

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16.7		15.0		%		11	20
Percent Solids	83.3		85.0		%		2	20

GC/MS Semi VOA

Prep Batch: 1030171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	3546	
460-323526-2	9A_5-10	Total/NA	Solid	3546	
460-323526-3	9B_0-5	Total/NA	Solid	3546	
460-323526-4	9B_5-10	Total/NA	Solid	3546	
460-323526-5	9C_0-5	Total/NA	Solid	3546	
460-323526-6	9C_5-10	Total/NA	Solid	3546	
460-323526-7	9D_0-5	Total/NA	Solid	3546	
460-323526-8	9D_5-10	Total/NA	Solid	3546	
460-323526-9	10A_0-4	Total/NA	Solid	3546	
460-323526-10	10A_4-8	Total/NA	Solid	3546	
460-323526-11	10B_0-6	Total/NA	Solid	3546	
460-323526-12	10B_6-12	Total/NA	Solid	3546	
460-323526-13	10C_0-4	Total/NA	Solid	3546	
460-323526-14	10C_4-8	Total/NA	Solid	3546	
460-323526-15	10D_0-6	Total/NA	Solid	3546	
460-323526-16	10D_6-12	Total/NA	Solid	3546	
460-323526-17	10E_0-6	Total/NA	Solid	3546	
460-323526-18	10E_6-12	Total/NA	Solid	3546	
MB 460-1030171/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030171/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030171/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323518-A-15-A MS	Matrix Spike	Total/NA	Solid	3546	
460-323518-A-15-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1030259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	8270E	1030171
460-323526-2	9A_5-10	Total/NA	Solid	8270E	1030171
460-323526-3	9B_0-5	Total/NA	Solid	8270E	1030171
460-323526-4	9B_5-10	Total/NA	Solid	8270E	1030171
460-323526-5	9C_0-5	Total/NA	Solid	8270E	1030171
460-323526-6	9C_5-10	Total/NA	Solid	8270E	1030171
460-323526-7	9D_0-5	Total/NA	Solid	8270E	1030171
460-323526-8	9D_5-10	Total/NA	Solid	8270E	1030171
460-323526-9	10A_0-4	Total/NA	Solid	8270E	1030171
460-323526-10	10A_4-8	Total/NA	Solid	8270E	1030171
460-323526-11	10B_0-6	Total/NA	Solid	8270E	1030171
460-323526-12	10B_6-12	Total/NA	Solid	8270E	1030171
460-323526-13	10C_0-4	Total/NA	Solid	8270E	1030171
460-323526-14	10C_4-8	Total/NA	Solid	8270E	1030171
460-323526-15	10D_0-6	Total/NA	Solid	8270E	1030171
460-323526-16	10D_6-12	Total/NA	Solid	8270E	1030171
460-323526-17	10E_0-6	Total/NA	Solid	8270E	1030171
460-323526-18	10E_6-12	Total/NA	Solid	8270E	1030171
MB 460-1030171/1-A	Method Blank	Total/NA	Solid	8270E	1030171
LCS 460-1030171/2-A	Lab Control Sample	Total/NA	Solid	8270E	1030171
LCSD 460-1030171/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1030171
460-323518-A-15-A MS	Matrix Spike	Total/NA	Solid	8270E	1030171
460-323518-A-15-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1030171

GC Semi VOA

Prep Batch: 1030013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	3546	
460-323526-2	9A_5-10	Total/NA	Solid	3546	
460-323526-3	9B_0-5	Total/NA	Solid	3546	
460-323526-4	9B_5-10	Total/NA	Solid	3546	
460-323526-5	9C_0-5	Total/NA	Solid	3546	
460-323526-6	9C_5-10	Total/NA	Solid	3546	
460-323526-7	9D_0-5	Total/NA	Solid	3546	
460-323526-8	9D_5-10	Total/NA	Solid	3546	
460-323526-9	10A_0-4	Total/NA	Solid	3546	
460-323526-10	10A_4-8	Total/NA	Solid	3546	
460-323526-11	10B_0-6	Total/NA	Solid	3546	
460-323526-12	10B_6-12	Total/NA	Solid	3546	
460-323526-13	10C_0-4	Total/NA	Solid	3546	
460-323526-14	10C_4-8	Total/NA	Solid	3546	
460-323526-15	10D_0-6	Total/NA	Solid	3546	
460-323526-16	10D_6-12	Total/NA	Solid	3546	
460-323526-17	10E_0-6	Total/NA	Solid	3546	
460-323526-18	10E_6-12	Total/NA	Solid	3546	
MB 460-1030013/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030013/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030013/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323526-1 MS	9A_0-5	Total/NA	Solid	3546	
460-323526-1 MSD	9A_0-5	Total/NA	Solid	3546	

Prep Batch: 1030014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	3546	
460-323526-2	9A_5-10	Total/NA	Solid	3546	
460-323526-3	9B_0-5	Total/NA	Solid	3546	
460-323526-4	9B_5-10	Total/NA	Solid	3546	
460-323526-5	9C_0-5	Total/NA	Solid	3546	
460-323526-6	9C_5-10	Total/NA	Solid	3546	
460-323526-7	9D_0-5	Total/NA	Solid	3546	
460-323526-8	9D_5-10	Total/NA	Solid	3546	
460-323526-9	10A_0-4	Total/NA	Solid	3546	
460-323526-10	10A_4-8	Total/NA	Solid	3546	
460-323526-11	10B_0-6	Total/NA	Solid	3546	
460-323526-12	10B_6-12	Total/NA	Solid	3546	
460-323526-13	10C_0-4	Total/NA	Solid	3546	
460-323526-14	10C_4-8	Total/NA	Solid	3546	
460-323526-15	10D_0-6	Total/NA	Solid	3546	
460-323526-16	10D_6-12	Total/NA	Solid	3546	
460-323526-17	10E_0-6	Total/NA	Solid	3546	
460-323526-18	10E_6-12	Total/NA	Solid	3546	
MB 460-1030014/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030014/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030014/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323526-1 MS	9A_0-5	Total/NA	Solid	3546	
460-323526-1 MSD	9A_0-5	Total/NA	Solid	3546	

GC Semi VOA

Analysis Batch: 1030074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	8081B	1030013
460-323526-2	9A_5-10	Total/NA	Solid	8081B	1030013
460-323526-3	9B_0-5	Total/NA	Solid	8081B	1030013
460-323526-4	9B_5-10	Total/NA	Solid	8081B	1030013
460-323526-5	9C_0-5	Total/NA	Solid	8081B	1030013
460-323526-6	9C_5-10	Total/NA	Solid	8081B	1030013
460-323526-7	9D_0-5	Total/NA	Solid	8081B	1030013
460-323526-8	9D_5-10	Total/NA	Solid	8081B	1030013
460-323526-9	10A_0-4	Total/NA	Solid	8081B	1030013
460-323526-10	10A_4-8	Total/NA	Solid	8081B	1030013
460-323526-11	10B_0-6	Total/NA	Solid	8081B	1030013
460-323526-12	10B_6-12	Total/NA	Solid	8081B	1030013
460-323526-13	10C_0-4	Total/NA	Solid	8081B	1030013
460-323526-14	10C_4-8	Total/NA	Solid	8081B	1030013
460-323526-15	10D_0-6	Total/NA	Solid	8081B	1030013
460-323526-16	10D_6-12	Total/NA	Solid	8081B	1030013
460-323526-17	10E_0-6	Total/NA	Solid	8081B	1030013
460-323526-18	10E_6-12	Total/NA	Solid	8081B	1030013
MB 460-1030013/1-A	Method Blank	Total/NA	Solid	8081B	1030013
LCS 460-1030013/2-A	Lab Control Sample	Total/NA	Solid	8081B	1030013
LCSD 460-1030013/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1030013
460-323526-1 MS	9A_0-5	Total/NA	Solid	8081B	1030013
460-323526-1 MSD	9A_0-5	Total/NA	Solid	8081B	1030013

Analysis Batch: 1030077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	8082A	1030014
460-323526-2	9A_5-10	Total/NA	Solid	8082A	1030014
460-323526-3	9B_0-5	Total/NA	Solid	8082A	1030014
460-323526-4	9B_5-10	Total/NA	Solid	8082A	1030014
460-323526-5	9C_0-5	Total/NA	Solid	8082A	1030014
460-323526-6	9C_5-10	Total/NA	Solid	8082A	1030014
460-323526-7	9D_0-5	Total/NA	Solid	8082A	1030014
460-323526-8	9D_5-10	Total/NA	Solid	8082A	1030014
460-323526-9	10A_0-4	Total/NA	Solid	8082A	1030014
460-323526-10	10A_4-8	Total/NA	Solid	8082A	1030014
460-323526-11	10B_0-6	Total/NA	Solid	8082A	1030014
460-323526-12	10B_6-12	Total/NA	Solid	8082A	1030014
460-323526-13	10C_0-4	Total/NA	Solid	8082A	1030014
460-323526-14	10C_4-8	Total/NA	Solid	8082A	1030014
460-323526-15	10D_0-6	Total/NA	Solid	8082A	1030014
460-323526-16	10D_6-12	Total/NA	Solid	8082A	1030014
460-323526-17	10E_0-6	Total/NA	Solid	8082A	1030014
460-323526-18	10E_6-12	Total/NA	Solid	8082A	1030014
MB 460-1030014/1-A	Method Blank	Total/NA	Solid	8082A	1030014
LCS 460-1030014/2-A	Lab Control Sample	Total/NA	Solid	8082A	1030014
LCSD 460-1030014/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1030014
460-323526-1 MS	9A_0-5	Total/NA	Solid	8082A	1030014
460-323526-1 MSD	9A_0-5	Total/NA	Solid	8082A	1030014

LCMS

Prep Batch: 651369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	1633 Shake	
460-323526-2	9A_5-10	Total/NA	Solid	1633 Shake	
460-323526-3	9B_0-5	Total/NA	Solid	1633 Shake	
460-323526-4	9B_5-10	Total/NA	Solid	1633 Shake	
460-323526-5	9C_0-5	Total/NA	Solid	1633 Shake	
460-323526-6	9C_5-10	Total/NA	Solid	1633 Shake	
460-323526-7	9D_0-5	Total/NA	Solid	1633 Shake	
460-323526-8	9D_5-10	Total/NA	Solid	1633 Shake	
460-323526-9	10A_0-4	Total/NA	Solid	1633 Shake	
460-323526-10	10A_4-8	Total/NA	Solid	1633 Shake	
460-323526-11	10B_0-6	Total/NA	Solid	1633 Shake	
460-323526-12	10B_6-12	Total/NA	Solid	1633 Shake	
460-323526-13	10C_0-4	Total/NA	Solid	1633 Shake	
460-323526-14	10C_4-8	Total/NA	Solid	1633 Shake	
460-323526-15 - DL	10D_0-6	Total/NA	Solid	1633 Shake	
460-323526-15	10D_0-6	Total/NA	Solid	1633 Shake	
460-323526-16	10D_6-12	Total/NA	Solid	1633 Shake	
460-323526-17	10E_0-6	Total/NA	Solid	1633 Shake	
460-323526-18	10E_6-12	Total/NA	Solid	1633 Shake	
MB 240-651369/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-651369/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-651369/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-323525-B-22-B DU	Duplicate	Total/NA	Solid	1633 Shake	

Analysis Batch: 651416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	1633	651369
460-323526-2	9A_5-10	Total/NA	Solid	1633	651369
460-323526-3	9B_0-5	Total/NA	Solid	1633	651369
460-323526-4	9B_5-10	Total/NA	Solid	1633	651369
460-323526-5	9C_0-5	Total/NA	Solid	1633	651369
460-323526-6	9C_5-10	Total/NA	Solid	1633	651369
460-323526-7	9D_0-5	Total/NA	Solid	1633	651369
460-323526-8	9D_5-10	Total/NA	Solid	1633	651369
460-323526-9	10A_0-4	Total/NA	Solid	1633	651369
460-323526-10	10A_4-8	Total/NA	Solid	1633	651369
460-323526-11	10B_0-6	Total/NA	Solid	1633	651369
460-323526-12	10B_6-12	Total/NA	Solid	1633	651369
460-323526-13	10C_0-4	Total/NA	Solid	1633	651369
460-323526-14	10C_4-8	Total/NA	Solid	1633	651369
460-323526-15	10D_0-6	Total/NA	Solid	1633	651369
460-323526-16	10D_6-12	Total/NA	Solid	1633	651369
460-323526-17	10E_0-6	Total/NA	Solid	1633	651369
460-323526-18	10E_6-12	Total/NA	Solid	1633	651369
MB 240-651369/1-A	Method Blank	Total/NA	Solid	1633	651369
LCS 240-651369/3-A	Lab Control Sample	Total/NA	Solid	1633	651369
LLCS 240-651369/2-A	Lab Control Sample	Total/NA	Solid	1633	651369
460-323525-B-22-B DU	Duplicate	Total/NA	Solid	1633	651369

LCMS

Analysis Batch: 651526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-15 - DL	10D_0-6	Total/NA	Solid	1633	651369

Metals

Prep Batch: 1030294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	7471B	
460-323526-2	9A_5-10	Total/NA	Solid	7471B	
MB 460-1030294/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030294/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-323328-A-1-K MS	Matrix Spike	Total/NA	Solid	7471B	
460-323328-A-1-J DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 1030351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	7471B	1030294
460-323526-2	9A_5-10	Total/NA	Solid	7471B	1030294
MB 460-1030294/1-A	Method Blank	Total/NA	Solid	7471B	1030294
LCSSRM 460-1030294/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1030294
460-323328-A-1-K MS	Matrix Spike	Total/NA	Solid	7471B	1030294
460-323328-A-1-J DU	Duplicate	Total/NA	Solid	7471B	1030294

Prep Batch: 1030491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-3	9B_0-5	Total/NA	Solid	7471B	
460-323526-4	9B_5-10	Total/NA	Solid	7471B	
460-323526-5	9C_0-5	Total/NA	Solid	7471B	
460-323526-6	9C_5-10	Total/NA	Solid	7471B	
460-323526-7	9D_0-5	Total/NA	Solid	7471B	
460-323526-8	9D_5-10	Total/NA	Solid	7471B	
460-323526-9	10A_0-4	Total/NA	Solid	7471B	
460-323526-10	10A_4-8	Total/NA	Solid	7471B	
460-323526-11	10B_0-6	Total/NA	Solid	7471B	
460-323526-12	10B_6-12	Total/NA	Solid	7471B	
460-323526-13	10C_0-4	Total/NA	Solid	7471B	
460-323526-14	10C_4-8	Total/NA	Solid	7471B	
460-323526-15	10D_0-6	Total/NA	Solid	7471B	
460-323526-16	10D_6-12	Total/NA	Solid	7471B	
460-323526-17	10E_0-6	Total/NA	Solid	7471B	
460-323526-18	10E_6-12	Total/NA	Solid	7471B	
MB 460-1030491/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030491/11-A	Lab Control Sample	Total/NA	Solid	7471B	
460-323526-3 MS	9B_0-5	Total/NA	Solid	7471B	
460-323526-3 DU	9B_0-5	Total/NA	Solid	7471B	

Analysis Batch: 1030531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-3	9B_0-5	Total/NA	Solid	7471B	1030491
460-323526-4	9B_5-10	Total/NA	Solid	7471B	1030491
460-323526-5	9C_0-5	Total/NA	Solid	7471B	1030491
460-323526-6	9C_5-10	Total/NA	Solid	7471B	1030491

Metals (Continued)

Analysis Batch: 1030531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-7	9D_0-5	Total/NA	Solid	7471B	1030491
460-323526-8	9D_5-10	Total/NA	Solid	7471B	1030491
460-323526-9	10A_0-4	Total/NA	Solid	7471B	1030491
460-323526-10	10A_4-8	Total/NA	Solid	7471B	1030491
460-323526-11	10B_0-6	Total/NA	Solid	7471B	1030491
460-323526-12	10B_6-12	Total/NA	Solid	7471B	1030491
460-323526-13	10C_0-4	Total/NA	Solid	7471B	1030491
460-323526-14	10C_4-8	Total/NA	Solid	7471B	1030491
460-323526-15	10D_0-6	Total/NA	Solid	7471B	1030491
460-323526-16	10D_6-12	Total/NA	Solid	7471B	1030491
460-323526-17	10E_0-6	Total/NA	Solid	7471B	1030491
460-323526-18	10E_6-12	Total/NA	Solid	7471B	1030491
MB 460-1030491/10-A	Method Blank	Total/NA	Solid	7471B	1030491
LCSSRM 460-1030491/11-A	Lab Control Sample	Total/NA	Solid	7471B	1030491
460-323526-3 MS	9B_0-5	Total/NA	Solid	7471B	1030491
460-323526-3 DU	9B_0-5	Total/NA	Solid	7471B	1030491

Prep Batch: 1030532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	3050B	
460-323526-2	9A_5-10	Total/NA	Solid	3050B	
460-323526-3	9B_0-5	Total/NA	Solid	3050B	
460-323526-4	9B_5-10	Total/NA	Solid	3050B	
460-323526-5	9C_0-5	Total/NA	Solid	3050B	
460-323526-6	9C_5-10	Total/NA	Solid	3050B	
460-323526-7	9D_0-5	Total/NA	Solid	3050B	
460-323526-8	9D_5-10	Total/NA	Solid	3050B	
460-323526-9	10A_0-4	Total/NA	Solid	3050B	
460-323526-10	10A_4-8	Total/NA	Solid	3050B	
460-323526-11	10B_0-6	Total/NA	Solid	3050B	
460-323526-12	10B_6-12	Total/NA	Solid	3050B	
460-323526-13	10C_0-4	Total/NA	Solid	3050B	
460-323526-14	10C_4-8	Total/NA	Solid	3050B	
460-323526-15	10D_0-6	Total/NA	Solid	3050B	
460-323526-16	10D_6-12	Total/NA	Solid	3050B	
460-323526-17	10E_0-6	Total/NA	Solid	3050B	
460-323526-18	10E_6-12	Total/NA	Solid	3050B	
MB 460-1030532/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1030532/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-323526-13 MS	10C_0-4	Total/NA	Solid	3050B	
460-323526-13 DU	10C_0-4	Total/NA	Solid	3050B	

Analysis Batch: 1030731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	6020B	1030532
460-323526-2	9A_5-10	Total/NA	Solid	6020B	1030532
460-323526-3	9B_0-5	Total/NA	Solid	6020B	1030532
460-323526-4	9B_5-10	Total/NA	Solid	6020B	1030532
460-323526-5	9C_0-5	Total/NA	Solid	6020B	1030532
460-323526-6	9C_5-10	Total/NA	Solid	6020B	1030532
460-323526-7	9D_0-5	Total/NA	Solid	6020B	1030532

Metals (Continued)

Analysis Batch: 1030731 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-8	9D_5-10	Total/NA	Solid	6020B	1030532
460-323526-9	10A_0-4	Total/NA	Solid	6020B	1030532
460-323526-10	10A_4-8	Total/NA	Solid	6020B	1030532
460-323526-11	10B_0-6	Total/NA	Solid	6020B	1030532
460-323526-12	10B_6-12	Total/NA	Solid	6020B	1030532
460-323526-13	10C_0-4	Total/NA	Solid	6020B	1030532
460-323526-14	10C_4-8	Total/NA	Solid	6020B	1030532
460-323526-15	10D_0-6	Total/NA	Solid	6020B	1030532
460-323526-16	10D_6-12	Total/NA	Solid	6020B	1030532
460-323526-17	10E_0-6	Total/NA	Solid	6020B	1030532
460-323526-18	10E_6-12	Total/NA	Solid	6020B	1030532
MB 460-1030532/1-A	Method Blank	Total/NA	Solid	6020B	1030532
LCSSRM 460-1030532/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1030532
460-323526-13 MS	10C_0-4	Total/NA	Solid	6020B	1030532
460-323526-13 DU	10C_0-4	Total/NA	Solid	6020B	1030532

General Chemistry

Analysis Batch: 1030354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323526-1	9A_0-5	Total/NA	Solid	Moisture	
460-323526-2	9A_5-10	Total/NA	Solid	Moisture	
460-323526-3	9B_0-5	Total/NA	Solid	Moisture	
460-323526-4	9B_5-10	Total/NA	Solid	Moisture	
460-323526-5	9C_0-5	Total/NA	Solid	Moisture	
460-323526-6	9C_5-10	Total/NA	Solid	Moisture	
460-323526-7	9D_0-5	Total/NA	Solid	Moisture	
460-323526-8	9D_5-10	Total/NA	Solid	Moisture	
460-323526-9	10A_0-4	Total/NA	Solid	Moisture	
460-323526-10	10A_4-8	Total/NA	Solid	Moisture	
460-323526-11	10B_0-6	Total/NA	Solid	Moisture	
460-323526-12	10B_6-12	Total/NA	Solid	Moisture	
460-323526-13	10C_0-4	Total/NA	Solid	Moisture	
460-323526-14	10C_4-8	Total/NA	Solid	Moisture	
460-323526-15	10D_0-6	Total/NA	Solid	Moisture	
460-323526-16	10D_6-12	Total/NA	Solid	Moisture	
460-323526-17	10E_0-6	Total/NA	Solid	Moisture	
460-323526-18	10E_6-12	Total/NA	Solid	Moisture	
460-323533-A-4 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323533-A-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323175-A-1 DU	Duplicate	Total/NA	Solid	Moisture	
460-323667-A-2 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9A_0-5
Date Collected: 04/02/25 12:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-1
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/07/25 22:48
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 19:30
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 19:28
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 11:09
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 00:53
Total/NA	Prep	7471B			1030294	TJS	EET EDI	04/08/25 01:34
Total/NA	Analysis	7471B		1	1030351	TJS	EET EDI	04/08/25 06:48

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9A_5-10
Date Collected: 04/02/25 12:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-2
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/07/25 23:11
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 19:42
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 19:44
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 11:26
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 00:55
Total/NA	Prep	7471B			1030294	TJS	EET EDI	04/08/25 01:34
Total/NA	Analysis	7471B		1	1030351	TJS	EET EDI	04/08/25 06:54

Client Sample ID: 9B_0-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9B_0-5
Date Collected: 04/02/25 12:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-3
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 05:50
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 19:54
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 20:01
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 11:43
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 00:58
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:09

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9B_5-10
Date Collected: 04/02/25 12:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-4
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 05:27
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 20:07
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 20:18
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 11:59
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:01
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:19

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9C_0-5
Date Collected: 04/02/25 13:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-5
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 05:05
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 20:19
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 20:35
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 12:16
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:03
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:21

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9C_5-10
Date Collected: 04/02/25 13:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-6
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 04:43
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 20:31
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 20:51
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 12:32
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:06
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:27

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9D_0-5
Date Collected: 04/02/25 13:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-7
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/07/25 23:33
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 20:44
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 21:08
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 12:49
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:08
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:28

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 9D_5-10
Date Collected: 04/02/25 13:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-8
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/07/25 23:55
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 20:56
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 21:24
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 13:39
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:11
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:30

Client Sample ID: 10A_0-4
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10A_0-4
Date Collected: 04/02/25 08:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-9
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 00:39
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 21:08
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 21:41
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 13:55
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:13
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:32

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10A_4-8
Date Collected: 04/02/25 08:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-10
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 00:17
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 21:20
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 21:58
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 14:12
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:16
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:34

Client Sample ID: 10B_0-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10B_0-6
Date Collected: 04/02/25 08:50
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-11
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 01:01
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 21:33
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 22:14
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 14:29
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:23
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:35

Client Sample ID: 10B_6-12
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10B_6-12
Date Collected: 04/02/25 09:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-12
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 01:24
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 21:45
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 22:31
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 14:45
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:26
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:37

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10C_0-4
Date Collected: 04/02/25 09:10
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-13
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 01:46
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 21:57
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 22:48
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 15:02
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 00:43
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:39

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10C_4-8
Date Collected: 04/02/25 09:20
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-14
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 02:08
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 22:10
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 23:05
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 15:19
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:29
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:41

Client Sample ID: 10D_0-6
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10D_0-6
Date Collected: 04/02/25 09:30
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-15
Matrix: Solid
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 02:30
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 22:22
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 23:21
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 15:35
Total/NA	Prep	1633 Shake	DL		651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633	DL	10	651526	LD	EET CLE	04/10/25 12:21
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:31
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:43

Client Sample ID: 10D_6-12
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10D_6-12
Date Collected: 04/02/25 09:40
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-16
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 02:52
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 22:34
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 23:38
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 15:52
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:34

Client Sample ID: 10D_6-12

Lab Sample ID: 460-323526-16
Date Collected: 04/02/25 09:40
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:48

Client Sample ID: 10E_0-6

Lab Sample ID: 460-323526-17
Date Collected: 04/02/25 09:50
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10E_0-6

Lab Sample ID: 460-323526-17
Date Collected: 04/02/25 09:50
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 03:15
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 22:47
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/06/25 23:55
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 16:08
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:36
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:50

Client Sample ID: 10E_6-12

Lab Sample ID: 460-323526-18
Date Collected: 04/02/25 10:00
Matrix: Solid
Date Received: 04/03/25 12:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 10E_6-12

Lab Sample ID: 460-323526-18
Date Collected: 04/02/25 10:00
Matrix: Solid
Date Received: 04/03/25 12:11
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030171	OTS	EET EDI	04/07/25 09:44
Total/NA	Analysis	8270E		1	1030259	MME	EET EDI	04/08/25 03:37
Total/NA	Prep	3546			1030013	AXB	EET EDI	04/06/25 08:42
Total/NA	Analysis	8081B		1	1030074	FAM	EET EDI	04/06/25 22:59
Total/NA	Prep	3546			1030014	AXB	EET EDI	04/06/25 08:47
Total/NA	Analysis	8082A		1	1030077	JHP	EET EDI	04/07/25 00:11

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Client Sample ID: 10E_6-12

Date Collected: 04/02/25 10:00
Date Received: 04/03/25 12:11

Lab Sample ID: 460-323526-18

Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	1633 Shake			651369	JVB4	EET CLE	04/08/25 14:54
Total/NA	Analysis	1633		1	651416	MRL	EET CLE	04/09/25 16:58
Total/NA	Prep	3050B			1030532	FBT	EET EDI	04/09/25 07:50
Total/NA	Analysis	6020B		1	1030731	DLE	EET EDI	04/10/25 01:39
Total/NA	Prep	7471B			1030491	TJS	EET EDI	04/09/25 00:42
Total/NA	Analysis	7471B		1	1030531	TJS	EET EDI	04/09/25 04:52

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323526-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323526-1	9A_0-5	Solid	04/02/25 12:20	04/03/25 12:11
460-323526-2	9A_5-10	Solid	04/02/25 12:30	04/03/25 12:11
460-323526-3	9B_0-5	Solid	04/02/25 12:40	04/03/25 12:11
460-323526-4	9B_5-10	Solid	04/02/25 12:50	04/03/25 12:11
460-323526-5	9C_0-5	Solid	04/02/25 13:00	04/03/25 12:11
460-323526-6	9C_5-10	Solid	04/02/25 13:10	04/03/25 12:11
460-323526-7	9D_0-5	Solid	04/02/25 13:20	04/03/25 12:11
460-323526-8	9D_5-10	Solid	04/02/25 13:30	04/03/25 12:11
460-323526-9	10A_0-4	Solid	04/02/25 08:30	04/03/25 12:11
460-323526-10	10A_4-8	Solid	04/02/25 08:40	04/03/25 12:11
460-323526-11	10B_0-6	Solid	04/02/25 08:50	04/03/25 12:11
460-323526-12	10B_6-12	Solid	04/02/25 09:00	04/03/25 12:11
460-323526-13	10C_0-4	Solid	04/02/25 09:10	04/03/25 12:11
460-323526-14	10C_4-8	Solid	04/02/25 09:20	04/03/25 12:11
460-323526-15	10D_0-6	Solid	04/02/25 09:30	04/03/25 12:11
460-323526-16	10D_6-12	Solid	04/02/25 09:40	04/03/25 12:11
460-323526-17	10E_0-6	Solid	04/02/25 09:50	04/03/25 12:11
460-323526-18	10E_6-12	Solid	04/02/25 10:00	04/03/25 12:11

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-186992-122443.2
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 32352 B
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 006-02 0208988-000-004-03			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil – Staten Island	Project #: 46042832			
Site:	SSOW#:			

460-323526 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633-1633-Standard-List of 40 -	TCL SVOCs	TAL Metals	PCBs	Perchlorate	PFAS Method 1633	Total Number of	Special Instructions/Note:
			Preservation Code:		X	X	N						X	
9A_0 5	4/2/25	1220	C	Solid				X	X	X	X	X		1
9A 5-0		270		Solid										2
9B_0 5		1240		Solid										3
9B_5-10		1250		Solid										4
9C 0-5		300		~~Water~~ Soil										5
9C_5 10		310		~~Water~~ Soil										6
9D_0 5		1320		~~Water~~ Soil										7
9D_5-10		330		~~Water~~ Soil										8
10A_0 4		830		~~Water~~ Soil										9
10A 4 8		840		Soil										10
10B 0 6		850		Soil										11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/3/25	H&A		04/03/25	
2		04/03/25	1211		4/3/25 1211	
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

1-C - 1.7 / 2-3-1.7

Ver 05/06/2024

4/10/2025

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler:	Lab PM: Flannery, Elizabeth J	Carrier Tracking No(s):	COC No: 460-186992-122443.2
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 372526
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tg dmo@haleyaldrich.com	PO #: 0208988-000-000403			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: Former Port Mobil -- Staten Island	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes: N None; Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633 - 1633 Standard List of 40	TCL SVOCs	TAL Metals	PCBs	Pesticides	PFAS Method 1633	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N							
10B 6 2	4/2/25	900	C	Solid				X	X	X	X	X		12
10C 0-4		910		Solid										13
10C 4-8		920		Solid										14
10D 0 6		930		Solid										15
10D-6 12		940		~~Water~~ Solid										16
10F 0-6		950		~~Water~~ Solid										17
10E 6 12		1000		~~Water~~ Solid										18
				~~Water~~										
				~~Water~~										

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 4/3/25	Company HALD	Received by:	Date/Time: 10.10	Company
Relinquished by:	Date/Time: 04/03/25	Company 1211	Received by:	Date/Time: 4/3/25 1211	Company GLG
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

323526

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: _____

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	1.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.3 °C	1.7 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 04/03/25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323526-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/10/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes.

Other: N/A

R8a-73

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
9A_0-5 (460-323526-1)	4/2/25	12:20 Eastern	G	Solid			X	1	
9A_5-10 (460-323526-2)	4/2/25	12:30 Eastern	G	Solid			X	1	
9B_0-5 (460-323526-3)	4/2/25	12:40 Eastern	G	Solid			X	1	
9B_5-10 (460-323526-4)	4/2/25	12:50 Eastern	G	Solid			X	1	
9C_0-5 (460-323526-5)	4/2/25	13:00 Eastern	G	Solid			X	1	
9C_5-10 (460-323526-6)	4/2/25	13.10 Eastern	G	Solid			X	1	
9D_0-5 (460-323526-7)	4/2/25	13:20 Eastern	G	Solid			X	1	
9D_5-10 (460-323526-8)	4/2/25	13:30 Eastern	G	Solid			X	1	
10A_0-4 (460-323526-9)	4/2/25	08:30 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900			4/8/25 0952	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323526-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/10/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
10A_4-8 (460-323526-10)	4/2/25	08:40 Eastern	G	Solid			X	1	
10B_0-6 (460-323526-11)	4/2/25	08:50 Eastern	G	Solid			X	1	
10B_6-12 (460-323526-12)	4/2/25	09:00 Eastern	G	Solid			X	1	
10C_0-4 (460-323526-13)	4/2/25	09:10 Eastern	G	Solid			X	1	
10C_4-8 (460-323526-14)	4/2/25	09:20 Eastern	G	Solid			X	1	
10D_0-6 (460-323526-15)	4/2/25	09:30 Eastern	G	Solid			X	1	
10D_6-12 (460-323526-16)	4/2/25	09:40 Eastern	G	Solid			X	1	
10E_0-6 (460-323526-17)	4/2/25	09:50 Eastern	G	Solid			X	1	
10E_6-12 (460-323526-18)	4/2/25	10:00 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900			4/8/25 0950	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Eurofins Site Name

Cooler unpacked by:

Cooler Received on 4/8/25 Opened on 4/8/25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # (CF °C) Observed Cooler Temp. °C Corrected Cooler Temp °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4 Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 Did all bottles arrive in good condition (Unbroken)?	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ← Larger than this.	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION

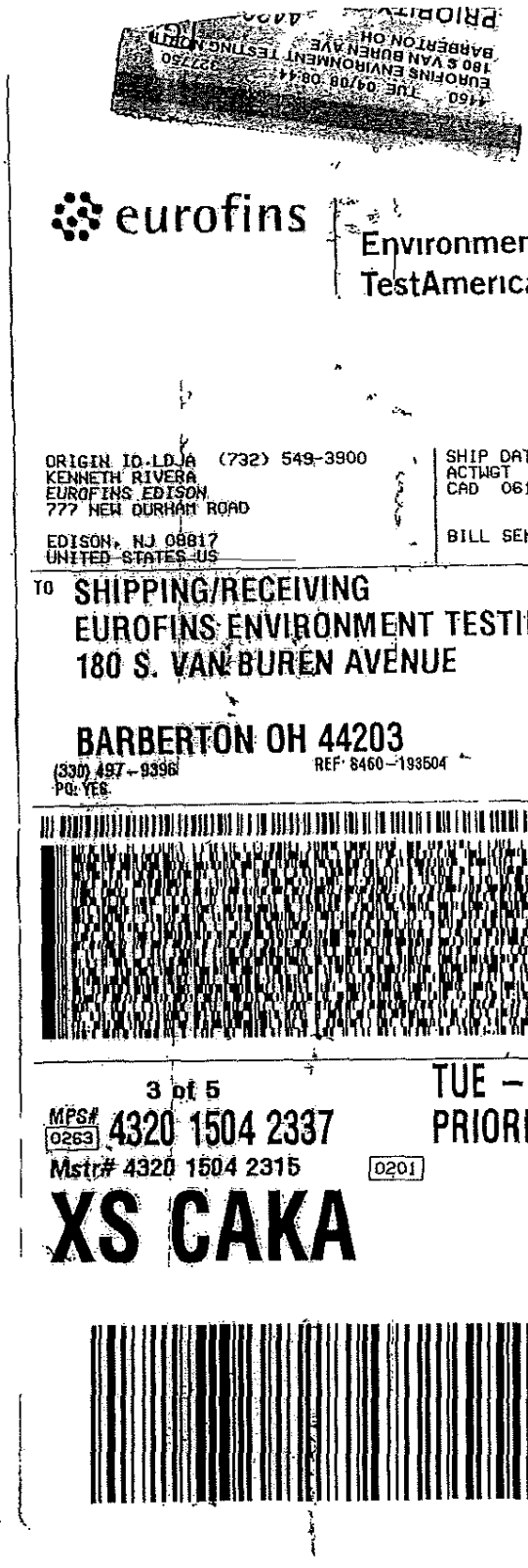
Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s).

VOA Sample Preservation - Date/Time VOAs Frozen

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 18	1.3	1.2	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	1.1	1.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	3.1	3.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	2.8	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #:	



eurofins
Environment Testing
TestAmerica

Part # 158469-434 MTW EXP 0426

ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 07APR25
ACTWGT: 39.85 LB
CAD: 0619092/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203

(330) 497-9396
PO: YES

REF: 8460-193504

FedEx Express

3 of 5

MPS# 4320 1504 2337

Mstr# 4320 1504 2315

0263

0201

TUE - 08 APR 10:30A
PRIORITY OVERNIGHT

XS CAKA

44203
OH-US

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323526-1

Login Number: 323526
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/15/2025 6:46:55 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323535-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/15/2025 6:46:55 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323535-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7°C and 1.9°C.

Method 8260D - Volatile Organic Compounds by GC/MS
Samples 14A1_1-2 (460-323535-1), 14A1_3-4 (460-323535-2), 14A1_7-8 (460-323535-3), 14A2_3-4 (460-323535-4), 14A2_7-8 (460-323535-5), 14A3_2-3 (460-323535-6), 14A3_5-6 (460-323535-7), 14B1_0-1 (460-323535-8), 14B1_3-4 (460-323535-9), 14B2_2-3 (460-323535-10), 14B2_7-8 (460-323535-11), 14B3_1-2 (460-323535-12), 14B3_5-6 (460-323535-13), 14B3_9-10 (460-323535-14), 14C1_2-3 (460-323535-15), 14C1_10-11 (460-323535-16), 14C1_9-10 (460-323535-17), 14C2_1-2 (460-323535-18), 14C2_11-12 (460-323535-19), 14C3_3-4 (460-323535-20), 14C3_7-8 (460-323535-21), 14D1_0-1 (460-323535-22), 14D1_6-7 (460-323535-23), 14D1_11-12 (460-323535-24), 14D2_4-5 (460-323535-25), 14D2_15-16 (460-323535-26), 14D3_13-14 (460-323535-27), 14D3_17-18 (460-323535-28), 14E1_5-6 (460-323535-29), 14E1_12-13 (460-323535-30), 14E1_16-17 (460-323535-31), 14E2_3-4 (460-323535-32), 14E2_9-10 (460-323535-33), 14E3_12-13 (460-323535-34), 14E3_15-16 (460-323535-35), 14F1_3-4 (460-323535-36), 14F1_7-8 (460-323535-37), 14F2_1-2 (460-323535-38), 14F2_5-6 (460-323535-39), 14F2_9-10 (460-323535-40), 14F3_2-3 (460-323535-41) and 14F3_6-7 (460-323535-42) were analyzed for Volatile Organic Compounds by GC/MS. The samples were prepared on 4/6/2025 and 4/7/2025 and analyzed on 4/12/2025, 4/13/2025, 4/14/2025 and 4/15/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1031469 was outside the method criteria for Isopropylbenzene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

The laboratory control sample duplicate (LCSD) for analytical batch 460-1031469 recovered outside control limit for Methyl acetate. The analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

Method Moisture - Percent Moisture
Samples 14A1_1-2 (460-323535-1), 14A1_3-4 (460-323535-2), 14A1_7-8 (460-323535-3), 14A2_3-4 (460-323535-4), 14A2_7-8 (460-323535-5), 14A3_2-3 (460-323535-6), 14A3_5-6 (460-323535-7), 14B1_0-1 (460-323535-8), 14B1_3-4 (460-323535-9), 14B2_2-3 (460-323535-10), 14B2_7-8 (460-323535-11), 14B3_1-2 (460-323535-12), 14B3_5-6 (460-323535-13), 14B3_9-10 (460-323535-14), 14C1_2-3 (460-323535-15), 14C1_10-11 (460-323535-16), 14C1_9-10 (460-323535-17), 14C2_1-2 (460-323535-18), 14C2_11-12 (460-323535-19), 14C3_3-4 (460-323535-20), 14C3_7-8 (460-323535-21), 14D1_0-1 (460-323535-22), 14D1_6-7 (460-323535-23), 14D1_11-12 (460-323535-24), 14D2_4-5 (460-323535-25), 14D2_15-16 (460-323535-26), 14D3_13-14 (460-323535-27), 14D3_17-18 (460-323535-28), 14E1_5-6 (460-323535-29), 14E1_12-13 (460-323535-30), 14E1_16-17 (460-323535-31), 14E2_3-4 (460-323535-32), 14E2_9-10 (460-323535-33), 14E3_12-13 (460-323535-34), 14E3_15-16 (460-323535-35), 14F1_3-4 (460-323535-36), 14F1_7-8 (460-323535-37), 14F2_1-2 (460-323535-38), 14F2_5-6 (460-323535-39), 14F2_9-10 (460-323535-40), 14F3_2-3 (460-323535-41) and 14F3_6-7 (460-323535-42) were analyzed for Percent Moisture. The samples were analyzed on 4/7/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A1_1-2 — Lab Sample ID: 460-323535-1

No Detections.

Client Sample ID: 14A1_3-4 — Lab Sample ID: 460-323535-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0013	J	0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14A1_7-8 — Lab Sample ID: 460-323535-3

No Detections.

Client Sample ID: 14A2_3-4 — Lab Sample ID: 460-323535-4

No Detections.

Client Sample ID: 14A2_7-8 — Lab Sample ID: 460-323535-5

No Detections.

Client Sample ID: 14A3_2-3 — Lab Sample ID: 460-323535-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0013	J	0.0020	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14A3_5-6 — Lab Sample ID: 460-323535-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0016	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B1_0-1 — Lab Sample ID: 460-323535-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0017	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B1_3-4 — Lab Sample ID: 460-323535-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0025		0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B2_2-3 — Lab Sample ID: 460-323535-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0014	J	0.0023	0.0013	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B2_7-8 — Lab Sample ID: 460-323535-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0018		0.0018	0.0010	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B3_1-2 — Lab Sample ID: 460-323535-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0020	J	0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14B3_5-6 — Lab Sample ID: 460-323535-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0016	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14B3_9-10 — Lab Sample ID: 460-323535-14

No Detections.

Client Sample ID: 14C1_2-3 — Lab Sample ID: 460-323535-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0022		0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14C1_10-11 — Lab Sample ID: 460-323535-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0024	J	0.0025	0.0014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14C1_9-10 — Lab Sample ID: 460-323535-17

No Detections.

Client Sample ID: 14C2_1-2 — Lab Sample ID: 460-323535-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0017	J	0.0020	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14C2_11-12 — Lab Sample ID: 460-323535-19

No Detections.

Client Sample ID: 14C3_3-4 — Lab Sample ID: 460-323535-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0020		0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14C3_7-8 — Lab Sample ID: 460-323535-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0014	J	0.0025	0.0014	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14D1_0-1 — Lab Sample ID: 460-323535-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0020	J	0.0029	0.0016	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14D1_6-7 — Lab Sample ID: 460-323535-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0018	J	0.0021	0.0012	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14D1_11-12 — Lab Sample ID: 460-323535-24

No Detections.

Client Sample ID: 14D2_4-5 — Lab Sample ID: 460-323535-25

No Detections.

Client Sample ID: 14D2_15-16 — Lab Sample ID: 460-323535-26

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14D3_13-14 — Lab Sample ID: 460-323535-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0018	J	0.0019	0.0011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14D3_17-18 — Lab Sample ID: 460-323535-28

No Detections.

Client Sample ID: 14E1_5-6 — Lab Sample ID: 460-323535-29

No Detections.

Client Sample ID: 14E1_12-13 — Lab Sample ID: 460-323535-30

No Detections.

Client Sample ID: 14E1_16-17 — Lab Sample ID: 460-323535-31

No Detections.

Client Sample ID: 14E2_3-4 — Lab Sample ID: 460-323535-32

No Detections.

Client Sample ID: 14E2_9-10 — Lab Sample ID: 460-323535-33

No Detections.

Client Sample ID: 14E3_12-13 — Lab Sample ID: 460-323535-34

No Detections.

Client Sample ID: 14E3_15-16 — Lab Sample ID: 460-323535-35

No Detections.

Client Sample ID: 14F1_3-4 — Lab Sample ID: 460-323535-36

No Detections.

Client Sample ID: 14F1_7-8 — Lab Sample ID: 460-323535-37

No Detections.

Client Sample ID: 14F2_1-2 — Lab Sample ID: 460-323535-38

No Detections.

Client Sample ID: 14F2_5-6 — Lab Sample ID: 460-323535-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.00088	J	0.00095	0.00021	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14F2_9-10 — Lab Sample ID: 460-323535-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.016		0.0057	0.0054	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: 14F3_2-3 — Lab Sample ID: 460-323535-41

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F3_6-7 **Lab Sample ID: 460-323535-42**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A1_1-2
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-1
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Acetone	0.0060	U	0.0060	0.0058	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1

Client Sample ID: 14A1_1-2

Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-1

Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/07/25 11:13	04/12/25 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/07/25 11:13*	*04/12/25 20:08*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/07/25 11:13*	*04/12/25 20:08*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/07/25 11:13*	*04/12/25 20:08*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/07/25 11:13*	*04/12/25 20:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**94.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14A1_3-4

Date Collected: 04/04/25 08:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-2

Matrix: Solid
Percent Solids: 92.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.00091	0.00048	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,1,2-Trichloroethane	0.00091	U	0.00091	0.00055	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,1-Dichloroethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,1-Dichloroethene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2,3-Trichlorobenzene	0.00091	U	0.00091	0.00067	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2,4-Trichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2,4-Trimethylbenzene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2-Dibromo-3-Chloropropane	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2-Dichloroethane	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,2-Dichloropropane	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,3,5-Trimethylbenzene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,3-Dichlorobenzene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
1,4-Dichlorobenzene	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Acetone	0.0055	U	0.0055	0.0052	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Benzene	0.00091	U	0.00091	0.00052	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Bromoform	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Bromomethane	0.0018	U	0.0018	0.00091	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1

Client Sample ID: 14A1_3-4
Date Collected: 04/04/25 08:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-2
Matrix: Solid
Percent Solids: 92.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Carbon tetrachloride	0.00091	U	0.00091	0.00035	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chlorobenzene	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chlorobromomethane	0.00091	U	0.00091	0.00054	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chlorodibromomethane	0.00091	U	0.00091	0.00049	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chloroethane	0.00091	U	0.00091	0.00048	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chloroform	0.00091	U	0.00091	0.00089	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Chloromethane	0.00091	U	0.00091	0.00040	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
cis-1,2-Dichloroethene	0.00091	U	0.00091	0.00033	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
cis-1,3-Dichloropropene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Cyclohexane	0.00091	U	0.00091	0.00020	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Dichlorobromomethane	0.00091	U	0.00091	0.00023	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Dichlorodifluoromethane	0.00091	U	0.00091	0.00031	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Ethylbenzene	0.00091	U	0.00091	0.00043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Ethylene Dibromide	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Isopropylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Methyl acetate	0.0046	U	0.0046	0.0039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Methyl tert-butyl ether	0.00091	U	0.00091	0.00047	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Methylcyclohexane	0.00091	U	0.00091	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Methylene Chloride	**0.0013**	**J**	0.0018	0.0010	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
m-Xylene & p-Xylene	0.00091	U	0.00091	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
n-Butylbenzene	0.00091	U	0.00091	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
N-Propylbenzene	0.00091	U	0.00091	0.00041	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
o-Xylene	0.00091	U	0.00091	0.00042	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
sec-Butylbenzene	0.00091	U	0.00091	0.00026	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Styrene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
tert-Butylbenzene	0.00091	U	0.00091	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Tetrachloroethene	0.00091	U	0.00091	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Toluene	0.00091	U	0.00091	0.00021	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
trans-1,2-Dichloroethene	0.00091	U	0.00091	0.00022	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
trans-1,3-Dichloropropene	0.00091	U	0.00091	0.00024	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Trichloroethene	0.00091	U	0.00091	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Trichlorofluoromethane	0.00091	U	0.00091	0.00037	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Vinyl chloride	0.00091	U	0.00091	0.00050	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/07/25 11:13	04/12/25 20:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/07/25 11:13*	*04/12/25 20:31*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/07/25 11:13*	*04/12/25 20:31*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:13*	*04/12/25 20:31*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/07/25 11:13*	*04/12/25 20:31*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.8**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A1_7-8
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-3
Matrix: Solid
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00078	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0016	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Benzene	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chlorobromomethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chlorodibromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Ethylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Ethylene Dibromide	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Methyl acetate	0.0053	U	0.0053	0.0045	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
N-Propylbenzene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
o-Xylene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
sec-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Styrene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1

Client Sample ID: 14A1_7-8

Lab Sample ID: 460-323535-3

Date Collected: 04/04/25 08:10
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/07/25 11:13	04/12/25 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/07/25 11:13*	*04/12/25 20:55*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/07/25 11:13*	*04/12/25 20:55*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/07/25 11:13*	*04/12/25 20:55*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/07/25 11:13*	*04/12/25 20:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14A2_3-4

Lab Sample ID: 460-323535-4

Date Collected: 04/04/25 08:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00079	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0017	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Acetone	0.0064	U	0.0064	0.0061	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Benzene	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1

Client Sample ID: 14A2_3-4
Date Collected: 04/04/25 08:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-4
Matrix: Solid
Percent Solids: 95.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chlorobromomethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chlorodibromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chloroethane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Cyclohexane	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Ethylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Ethylene Dibromide	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Methyl acetate	0.0053	U	0.0053	0.0046	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
N-Propylbenzene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
o-Xylene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
sec-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Styrene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Tetrachloroethene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1
Xylenes, Total	0.0021	U	0.0021	0.00019	mg/Kg	☼	04/07/25 11:14	04/12/25 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/07/25 11:14*	*04/12/25 21:19*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/07/25 11:14*	*04/12/25 21:19*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:14*	*04/12/25 21:19*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/07/25 11:14*	*04/12/25 21:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**95.6**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A2_7-8
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-5
Matrix: Solid
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1

Client Sample ID: 14A2_7-8

Lab Sample ID: 460-323535-5

Date Collected: 04/04/25 08:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 94.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/07/25 11:14	04/12/25 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/07/25 11:14*	*04/12/25 21:42*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/07/25 11:14*	*04/12/25 21:42*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/07/25 11:14*	*04/12/25 21:42*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/07/25 11:14*	*04/12/25 21:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.6**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**94.4**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14A3_2-3

Lab Sample ID: 460-323535-6

Date Collected: 04/04/25 08:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A3_2-3
Date Collected: 04/04/25 08:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-6
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Methylene Chloride	**0.0013**	**J**	0.0020	0.0012	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/07/25 11:15	04/12/25 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/07/25 11:15*	*04/12/25 22:06*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/07/25 11:15*	*04/12/25 22:06*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/07/25 11:15*	*04/12/25 22:06*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/07/25 11:15*	*04/12/25 22:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A3_5-6
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-7
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Methylene Chloride	**0.0016**	**J**	0.0019	0.0011	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1

Client Sample ID: 14A3_5-6

Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-7

Matrix: Solid
Percent Solids: 91.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/07/25 11:15	04/12/25 22:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/07/25 11:15*	*04/12/25 22:30*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/07/25 11:15*	*04/12/25 22:30*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/07/25 11:15*	*04/12/25 22:30*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/07/25 11:15*	*04/12/25 22:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.8**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14B1_0-1

Date Collected: 04/04/25 08:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-8

Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1

Client Sample ID: 14B1_0-1
Date Collected: 04/04/25 08:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-8
Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Ethylbenzene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Methylcyclohexane	0.00095	U	0.00095	0.00047	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Methylene Chloride	**0.0017**	**J**	0.0019	0.0011	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/07/25 11:15	04/12/25 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/07/25 11:15*	*04/12/25 22:53*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/07/25 11:15*	*04/12/25 22:53*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/07/25 11:15*	*04/12/25 22:53*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*04/07/25 11:15*	*04/12/25 22:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.9**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14B1_3-4
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-9
Matrix: Solid
Percent Solids: 96.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,1,2,2-Tetrachloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,1,2-Trichloroethane	0.00096	U	0.00096	0.00058	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,1-Dichloroethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,1-Dichloroethene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2,3-Trichlorobenzene	0.00096	U	0.00096	0.00071	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2,4-Trichlorobenzene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2,4-Trimethylbenzene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2-Dibromo-3-Chloropropane	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2-Dichloroethane	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,2-Dichloropropane	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,3,5-Trimethylbenzene	0.00096	U	0.00096	0.00030	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,3-Dichlorobenzene	0.00096	U	0.00096	0.00035	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
1,4-Dichlorobenzene	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Benzene	0.00096	U	0.00096	0.00054	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Bromoform	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Bromomethane	0.0019	U	0.0019	0.00096	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Carbon disulfide	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Carbon tetrachloride	0.00096	U	0.00096	0.00037	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chlorobenzene	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chlorobromomethane	0.00096	U	0.00096	0.00057	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chlorodibromomethane	0.00096	U	0.00096	0.00052	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chloroethane	0.00096	U	0.00096	0.00050	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chloroform	0.00096	U	0.00096	0.00093	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Chloromethane	0.00096	U	0.00096	0.00042	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
cis-1,2-Dichloroethene	0.00096	U	0.00096	0.00034	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
cis-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Cyclohexane	0.00096	U	0.00096	0.00021	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Dichlorobromomethane	0.00096	U	0.00096	0.00025	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Dichlorodifluoromethane	0.00096	U	0.00096	0.00032	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Ethylbenzene	0.00096	U	0.00096	0.00045	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Ethylene Dibromide	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Isopropylbenzene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Methyl tert-butyl ether	0.00096	U	0.00096	0.00049	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Methylcyclohexane	0.00096	U	0.00096	0.00048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Methylene Chloride	**0.0025**		0.0019	0.0011	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
m-Xylene & p-Xylene	0.00096	U	0.00096	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
n-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
N-Propylbenzene	0.00096	U	0.00096	0.00043	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
o-Xylene	0.00096	U	0.00096	0.00044	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
sec-Butylbenzene	0.00096	U	0.00096	0.00028	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Styrene	0.00096	U	0.00096	0.00027	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1

Client Sample ID: 14B1_3-4

Lab Sample ID: 460-323535-9

Date Collected: 04/04/25 08:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 96.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Tetrachloroethene	0.00096	U	0.00096	0.00029	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Toluene	0.00096	U	0.00096	0.00022	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
trans-1,2-Dichloroethene	0.00096	U	0.00096	0.00024	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
trans-1,3-Dichloropropene	0.00096	U	0.00096	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Trichloroethene	0.00096	U	0.00096	0.00031	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Trichlorofluoromethane	0.00096	U	0.00096	0.00039	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Vinyl chloride	0.00096	U	0.00096	0.00052	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/07/25 11:16	04/12/25 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/07/25 11:16*	*04/12/25 23:17*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/07/25 11:16*	*04/12/25 23:17*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/07/25 11:16*	*04/12/25 23:17*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/07/25 11:16*	*04/12/25 23:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**3.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**96.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14B2_2-3

Lab Sample ID: 460-323535-10

Date Collected: 04/04/25 08:45
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00068	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00083	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0018	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Acetone	0.0068	U	0.0068	0.0064	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Benzene	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Bromomethane	0.0023	U	0.0023	0.0011	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1

Client Sample ID: 14B2_2-3
Date Collected: 04/04/25 08:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-10
Matrix: Solid
Percent Solids: 91.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Carbon tetrachloride	0.0011	U	0.0011	0.00044	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chlorobromomethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chlorodibromomethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Ethylene Dibromide	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Methylene Chloride	**0.0014**	**J**	0.0023	0.0013	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
N-Propylbenzene	0.0011	U	0.0011	0.00051	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
o-Xylene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Vinyl chloride	0.0011	U	0.0011	0.00062	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1
Xylenes, Total	0.0023	U	0.0023	0.00020	mg/Kg	☼	04/07/25 11:16	04/12/25 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/07/25 11:16*	*04/12/25 23:41*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/07/25 11:16*	*04/12/25 23:41*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:16*	*04/12/25 23:41*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/07/25 11:16*	*04/12/25 23:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.8**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.2**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14B2_7-8
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-11
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chlorobenzene	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chlorobromomethane	0.00090	U	0.00090	0.00053	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Methylene Chloride	**0.0018**		0.0018	0.0010	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1

Client Sample ID: 14B2_7-8

Lab Sample ID: 460-323535-11

Date Collected: 04/04/25 08:50
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00036	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/07/25 11:17	04/13/25 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/07/25 11:17*	*04/13/25 00:04*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/07/25 11:17*	*04/13/25 00:04*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/07/25 11:17*	*04/13/25 00:04*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*04/07/25 11:17*	*04/13/25 00:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14B3_1-2

Lab Sample ID: 460-323535-12

Date Collected: 04/04/25 08:55
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00063	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00039	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Bromoform	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1

Client Sample ID: 14B3_1-2
Date Collected: 04/04/25 08:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-12
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Carbon tetrachloride	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chlorodibromomethane	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chloroethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Chloromethane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Ethylene Dibromide	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Methylene Chloride	**0.0020**	**J**	0.0021	0.0012	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Toluene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Trichloroethene	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/07/25 11:17	04/13/25 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/07/25 11:17*	*04/13/25 00:28*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/07/25 11:17*	*04/13/25 00:28*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/07/25 11:17*	*04/13/25 00:28*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/07/25 11:17*	*04/13/25 00:28*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.8**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.2**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14B3_5-6
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-13
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00057	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00070	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chlorodibromomethane	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chloroform	0.00094	U	0.00094	0.00092	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Ethylene Dibromide	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Methyl acetate	0.0047	U	0.0047	0.0041	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Methylene Chloride	**0.0016**	**J**	0.0019	0.0011	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1

Client Sample ID: 14B3_5-6

Lab Sample ID: 460-323535-13

Date Collected: 04/04/25 09:00
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/07/25 11:18	04/13/25 00:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/07/25 11:18*	*04/13/25 00:51*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/07/25 11:18*	*04/13/25 00:51*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:18*	*04/13/25 00:51*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/07/25 11:18*	*04/13/25 00:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14B3_9-10

Lab Sample ID: 460-323535-14

Date Collected: 04/04/25 09:05
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00066	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Acetone	0.0054	U	0.0054	0.0051	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1

Client Sample ID: 14B3_9-10
Date Collected: 04/04/25 09:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-14
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
o-Xylene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/07/25 11:18	04/13/25 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/07/25 11:18*	*04/13/25 06:24*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/07/25 11:18*	*04/13/25 06:24*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/07/25 11:18*	*04/13/25 06:24*	*1*
Toluene-d8 (Surr)	*90*		*71 - 126*	*04/07/25 11:18*	*04/13/25 06:24*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.3**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14C1_2-3
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-15
Matrix: Solid
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00024	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00078	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00039	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
2-Butanone (MEK)	0.0053	U	0.0053	0.00039	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
2-Hexanone	0.0053	U	0.0053	0.0018	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
4-Methyl-2-pentanone (MIBK)	0.0053	U	0.0053	0.0016	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Acetone	0.0063	U	0.0063	0.0060	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Benzene	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Bromoform	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Bromomethane	0.0021	U	0.0021	0.0011	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Carbon disulfide	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Carbon tetrachloride	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chlorobenzene	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chlorobromomethane	0.0011	U	0.0011	0.00063	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chlorodibromomethane	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chloroethane	0.0011	U	0.0011	0.00055	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chloroform	0.0011	U	0.0011	0.0010	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Chloromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Cyclohexane	0.0011	U	0.0011	0.00023	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Dichlorobromomethane	0.0011	U	0.0011	0.00027	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Ethylbenzene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Ethylene Dibromide	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Isopropylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Methyl acetate	0.0053	U	0.0053	0.0045	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00054	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Methylcyclohexane	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Methylene Chloride	**0.0022**		0.0021	0.0012	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00045	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
n-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
N-Propylbenzene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
o-Xylene	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
sec-Butylbenzene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Styrene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1

Client Sample ID: 14C1_2-3

Lab Sample ID: 460-323535-15

Date Collected: 04/04/25 09:10
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 94.8

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Tetrachloroethene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Toluene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Trichloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Vinyl chloride	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/07/25 11:18	04/13/25 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/07/25 11:18*	*04/13/25 01:39*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/07/25 11:18*	*04/13/25 01:39*	*1*
Dibromofluoromethane (Surr)	*103*		*50 - 150*	*04/07/25 11:18*	*04/13/25 01:39*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*	*04/07/25 11:18*	*04/13/25 01:39*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.2**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**94.8**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14C1_10-11

Lab Sample ID: 460-323535-16

Date Collected: 04/04/25 09:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0013	U	0.0013	0.00029	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,1,2,2-Tetrachloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U	0.0013	0.00038	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,1,2-Trichloroethane	0.0013	U	0.0013	0.00076	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,1-Dichloroethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,1-Dichloroethene	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2,3-Trichlorobenzene	0.0013	U	0.0013	0.00093	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2,4-Trichlorobenzene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2,4-Trimethylbenzene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2-Dibromo-3-Chloropropane	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2-Dichloroethane	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,2-Dichloropropane	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,3,5-Trimethylbenzene	0.0013	U	0.0013	0.00040	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,3-Dichlorobenzene	0.0013	U	0.0013	0.00046	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
1,4-Dichlorobenzene	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
2-Butanone (MEK)	0.0063	U	0.0063	0.00047	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
2-Hexanone	0.0063	U	0.0063	0.0022	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
4-Methyl-2-pentanone (MIBK)	0.0063	U	0.0063	0.0020	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Acetone	0.0076	U	0.0076	0.0072	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Benzene	0.0013	U	0.0013	0.00072	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Bromoform	0.0013	U	0.0013	0.00054	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Bromomethane	0.0025	U	0.0025	0.0013	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1

Client Sample ID: 14C1_10-11
Date Collected: 04/04/25 09:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-16
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Carbon tetrachloride	0.0013	U	0.0013	0.00049	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chlorobenzene	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chlorobromomethane	0.0013	U	0.0013	0.00075	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chlorodibromomethane	0.0013	U	0.0013	0.00068	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chloroethane	0.0013	U	0.0013	0.00066	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chloroform	0.0013	U	0.0013	0.0012	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Chloromethane	0.0013	U	0.0013	0.00055	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
cis-1,2-Dichloroethene	0.0013	U	0.0013	0.00045	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
cis-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Cyclohexane	0.0013	U	0.0013	0.00028	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Dichlorobromomethane	0.0013	U	0.0013	0.00032	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Dichlorodifluoromethane	0.0013	U	0.0013	0.00043	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Ethylbenzene	0.0013	U	0.0013	0.00059	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Ethylene Dibromide	0.0013	U	0.0013	0.00064	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Isopropylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Methyl acetate	0.0063	U	0.0063	0.0054	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Methyl tert-butyl ether	0.0013	U	0.0013	0.00065	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Methylcyclohexane	0.0013	U	0.0013	0.00063	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Methylene Chloride	**0.0024**	**J**	0.0025	0.0014	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
m-Xylene & p-Xylene	0.0013	U	0.0013	0.00053	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
n-Butylbenzene	0.0013	U	0.0013	0.00037	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
N-Propylbenzene	0.0013	U	0.0013	0.00057	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
o-Xylene	0.0013	U	0.0013	0.00058	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
sec-Butylbenzene	0.0013	U	0.0013	0.00036	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Styrene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
tert-Butylbenzene	0.0013	U	0.0013	0.00035	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Tetrachloroethene	0.0013	U	0.0013	0.00039	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Toluene	0.0013	U	0.0013	0.00030	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
trans-1,2-Dichloroethene	0.0013	U	0.0013	0.00031	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
trans-1,3-Dichloropropene	0.0013	U	0.0013	0.00034	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Trichloroethene	0.0013	U	0.0013	0.00041	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Trichlorofluoromethane	0.0013	U	0.0013	0.00051	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Vinyl chloride	0.0013	U	0.0013	0.00069	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1
Xylenes, Total	0.0025	U	0.0025	0.00022	mg/Kg	☼	04/07/25 11:19	04/13/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/07/25 11:19*	*04/13/25 02:03*	*1*
4-Bromofluorobenzene	*99*		*71 - 128*	*04/07/25 11:19*	*04/13/25 02:03*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/07/25 11:19*	*04/13/25 02:03*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*	*04/07/25 11:19*	*04/13/25 02:03*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14C1_9-10
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-17
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,1,2,2-Tetrachloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,1,2-Trichloroethane	0.00088	U	0.00088	0.00053	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,1-Dichloroethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,1-Dichloroethene	0.00088	U	0.00088	0.00020	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2,3-Trichlorobenzene	0.00088	U	0.00088	0.00065	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2,4-Trichlorobenzene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2,4-Trimethylbenzene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2-Dibromo-3-Chloropropane	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2-Dichloroethane	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,2-Dichloropropane	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,3,5-Trimethylbenzene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,3-Dichlorobenzene	0.00088	U	0.00088	0.00032	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
1,4-Dichlorobenzene	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
2-Butanone (MEK)	0.0044	U	0.0044	0.00032	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
2-Hexanone	0.0044	U	0.0044	0.0015	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
4-Methyl-2-pentanone (MIBK)	0.0044	U	0.0044	0.0014	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Acetone	0.0053	U	0.0053	0.0050	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Benzene	0.00088	U	0.00088	0.00050	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Bromoform	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Bromomethane	0.0018	U	0.0018	0.00088	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Carbon disulfide	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Carbon tetrachloride	0.00088	U	0.00088	0.00034	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chlorobenzene	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chlorobromomethane	0.00088	U	0.00088	0.00052	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chlorodibromomethane	0.00088	U	0.00088	0.00047	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chloroethane	0.00088	U	0.00088	0.00046	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chloroform	0.00088	U	0.00088	0.00085	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Chloromethane	0.00088	U	0.00088	0.00038	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
cis-1,2-Dichloroethene	0.00088	U	0.00088	0.00031	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
cis-1,3-Dichloropropene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Cyclohexane	0.00088	U	0.00088	0.00019	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Dichlorobromomethane	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Dichlorodifluoromethane	0.00088	U	0.00088	0.00030	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Ethylbenzene	0.00088	U	0.00088	0.00041	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Ethylene Dibromide	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Isopropylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Methyl acetate	0.0044	U	0.0044	0.0038	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Methyl tert-butyl ether	0.00088	U	0.00088	0.00045	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Methylcyclohexane	0.00088	U	0.00088	0.00044	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
m-Xylene & p-Xylene	0.00088	U	0.00088	0.00037	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
n-Butylbenzene	0.00088	U	0.00088	0.00026	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
N-Propylbenzene	0.00088	U	0.00088	0.00039	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
o-Xylene	0.00088	U	0.00088	0.00040	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
sec-Butylbenzene	0.00088	U	0.00088	0.00025	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Styrene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1

Client Sample ID: 14C1_9-10

Lab Sample ID: 460-323535-17

Date Collected: 04/04/25 09:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 89.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00088	U	0.00088	0.00024	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Tetrachloroethene	0.00088	U	0.00088	0.00027	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Toluene	0.00088	U	0.00088	0.00021	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
trans-1,2-Dichloroethene	0.00088	U	0.00088	0.00022	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
trans-1,3-Dichloropropene	0.00088	U	0.00088	0.00023	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Trichloroethene	0.00088	U	0.00088	0.00028	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Trichlorofluoromethane	0.00088	U	0.00088	0.00036	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Vinyl chloride	0.00088	U	0.00088	0.00048	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1
Xylenes, Total	0.0018	U	0.0018	0.00015	mg/Kg	☼	04/07/25 11:19	04/13/25 02:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/07/25 11:19*	*04/13/25 02:26*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/07/25 11:19*	*04/13/25 02:26*	*1*
Dibromofluoromethane (Surr)	*97*		*50 - 150*	*04/07/25 11:19*	*04/13/25 02:26*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/07/25 11:19*	*04/13/25 02:26*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14C2_1-2

Lab Sample ID: 460-323535-18

Date Collected: 04/04/25 09:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Bromoform	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1

Client Sample ID: 14C2_1-2
Date Collected: 04/04/25 09:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-18
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chlorobromomethane	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Chloromethane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Isopropylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Methylene Chloride	**0.0017**	**J**	0.0020	0.0011	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Tetrachloroethene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Vinyl chloride	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/07/25 11:20	04/13/25 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/07/25 11:20*	*04/13/25 02:50*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/07/25 11:20*	*04/13/25 02:50*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/07/25 11:20*	*04/13/25 02:50*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/07/25 11:20*	*04/13/25 02:50*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**94.1**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14C2_11-12
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-19
Matrix: Solid
Percent Solids: 95.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,1,2-Trichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,1-Dichloroethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,1-Dichloroethene	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2,3-Trichlorobenzene	0.0011	U	0.0011	0.00083	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2,4-Trichlorobenzene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2,4-Trimethylbenzene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2-Dibromo-3-Chloropropane	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2-Dichloroethane	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,2-Dichloropropane	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,3,5-Trimethylbenzene	0.0011	U	0.0011	0.00035	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,3-Dichlorobenzene	0.0011	U	0.0011	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
1,4-Dichlorobenzene	0.0011	U	0.0011	0.00058	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
2-Butanone (MEK)	0.0056	U	0.0056	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
2-Hexanone	0.0056	U	0.0056	0.0019	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
4-Methyl-2-pentanone (MIBK)	0.0056	U	0.0056	0.0017	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Acetone	0.0067	U	0.0067	0.0064	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Benzene	0.0011	U	0.0011	0.00064	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Bromoform	0.0011	U	0.0011	0.00048	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Bromomethane	0.0022	U	0.0022	0.0011	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Carbon disulfide	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Carbon tetrachloride	0.0011	U	0.0011	0.00043	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chlorobenzene	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chlorobromomethane	0.0011	U	0.0011	0.00067	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chlorodibromomethane	0.0011	U	0.0011	0.00060	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chloroethane	0.0011	U	0.0011	0.00059	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Chloromethane	0.0011	U	0.0011	0.00049	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
cis-1,2-Dichloroethene	0.0011	U	0.0011	0.00040	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
cis-1,3-Dichloropropene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Cyclohexane	0.0011	U	0.0011	0.00025	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Dichlorobromomethane	0.0011	U	0.0011	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Dichlorodifluoromethane	0.0011	U	0.0011	0.00038	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Ethylbenzene	0.0011	U	0.0011	0.00053	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Ethylene Dibromide	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Isopropylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Methyl acetate	0.0056	U	0.0056	0.0048	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Methyl tert-butyl ether	0.0011	U	0.0011	0.00057	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Methylcyclohexane	0.0011	U	0.0011	0.00056	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Methylene Chloride	0.0022	U	0.0022	0.0013	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
m-Xylene & p-Xylene	0.0011	U	0.0011	0.00047	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
n-Butylbenzene	0.0011	U	0.0011	0.00033	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
N-Propylbenzene	0.0011	U	0.0011	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
o-Xylene	0.0011	U	0.0011	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
sec-Butylbenzene	0.0011	U	0.0011	0.00032	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Styrene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1

Client Sample ID: 14C2_11-12

Lab Sample ID: 460-323535-19

Date Collected: 04/04/25 09:30
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0011	U	0.0011	0.00031	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Tetrachloroethene	0.0011	U	0.0011	0.00034	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Toluene	0.0011	U	0.0011	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
trans-1,2-Dichloroethene	0.0011	U	0.0011	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
trans-1,3-Dichloropropene	0.0011	U	0.0011	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Trichloroethene	0.0011	U	0.0011	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Trichlorofluoromethane	0.0011	U	0.0011	0.00046	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Vinyl chloride	0.0011	U	0.0011	0.00061	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1
Xylenes, Total	0.0022	U	0.0022	0.00020	mg/Kg	☼	04/07/25 11:20	04/13/25 06:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/07/25 11:20*	*04/13/25 06:47*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/07/25 11:20*	*04/13/25 06:47*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/07/25 11:20*	*04/13/25 06:47*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/07/25 11:20*	*04/13/25 06:47*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**95.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14C3_3-4

Lab Sample ID: 460-323535-20

Date Collected: 04/04/25 09:35
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00071	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2-Dibromo-3-Chloropropane	0.00097	U	0.00097	0.00044	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00036	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
2-Hexanone	0.0048	U	0.0048	0.0017	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Benzene	0.00097	U	0.00097	0.00055	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1

Client Sample ID: 14C3_3-4
Date Collected: 04/04/25 09:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-20
Matrix: Solid
Percent Solids: 93.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Carbon tetrachloride	0.00097	U	0.00097	0.00037	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chlorobenzene	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chlorobromomethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chlorodibromomethane	0.00097	U	0.00097	0.00052	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chloroethane	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Cyclohexane	0.00097	U	0.00097	0.00021	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Ethylbenzene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Ethylene Dibromide	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Isopropylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Methyl acetate	0.0048	U	0.0048	0.0042	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Methylcyclohexane	0.00097	U	0.00097	0.00048	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Methylene Chloride	**0.0020**		0.0019	0.0011	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
n-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
N-Propylbenzene	0.00097	U	0.00097	0.00043	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
o-Xylene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Tetrachloroethene	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Toluene	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
trans-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/07/25 11:20	04/13/25 07:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*127*		*65 - 138*	*04/07/25 11:20*	*04/13/25 07:34*	*1*
4-Bromofluorobenzene	*124*		*71 - 128*	*04/07/25 11:20*	*04/13/25 07:34*	*1*
Dibromofluoromethane (Surr)	*122*		*50 - 150*	*04/07/25 11:20*	*04/13/25 07:34*	*1*
Toluene-d8 (Surr)	*113*		*71 - 126*	*04/07/25 11:20*	*04/13/25 07:34*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.9**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14C3_7-8
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-21
Matrix: Solid
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0012	U	0.0012	0.00037	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,1,2-Trichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,1-Dichloroethane	0.0012	U	0.0012	0.00074	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,1-Dichloroethene	0.0012	U	0.0012	0.00028	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2,3-Trichlorobenzene	0.0012	U	0.0012	0.00091	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2,4-Trichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2,4-Trimethylbenzene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2-Dibromo-3-Chloropropane	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2-Dichlorobenzene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2-Dichloroethane	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,2-Dichloropropane	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,3,5-Trimethylbenzene	0.0012	U	0.0012	0.00039	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,3-Dichlorobenzene	0.0012	U	0.0012	0.00045	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
1,4-Dichlorobenzene	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
2-Butanone (MEK)	0.0062	U	0.0062	0.00045	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
2-Hexanone	0.0062	U	0.0062	0.0021	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
4-Methyl-2-pentanone (MIBK)	0.0062	U	0.0062	0.0019	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Acetone	0.0074	U	0.0074	0.0070	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Benzene	0.0012	U	0.0012	0.00070	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Bromoform	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Bromomethane	0.0025	U	0.0025	0.0012	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Carbon disulfide	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Carbon tetrachloride	0.0012	U	0.0012	0.00048	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chlorobenzene	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chlorobromomethane	0.0012	U	0.0012	0.00073	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chlorodibromomethane	0.0012	U	0.0012	0.00066	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chloroethane	0.0012	U	0.0012	0.00064	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Chloromethane	0.0012	U	0.0012	0.00054	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
cis-1,2-Dichloroethene	0.0012	U	0.0012	0.00044	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
cis-1,3-Dichloropropene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Cyclohexane	0.0012	U	0.0012	0.00027	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Dichlorobromomethane	0.0012	U	0.0012	0.00032	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Dichlorodifluoromethane	0.0012	U	0.0012	0.00042	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Ethylbenzene	0.0012	U	0.0012	0.00058	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Ethylene Dibromide	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Isopropylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Methyl acetate	0.0062	U	0.0062	0.0053	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Methyl tert-butyl ether	0.0012	U	0.0012	0.00063	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Methylcyclohexane	0.0012	U	0.0012	0.00062	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Methylene Chloride	**0.0014**	**J**	0.0025	0.0014	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
m-Xylene & p-Xylene	0.0012	U	0.0012	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
n-Butylbenzene	0.0012	U	0.0012	0.00036	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
N-Propylbenzene	0.0012	U	0.0012	0.00055	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
o-Xylene	0.0012	U	0.0012	0.00057	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
sec-Butylbenzene	0.0012	U	0.0012	0.00035	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Styrene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1

Client Sample ID: 14C3_7-8

Lab Sample ID: 460-323535-21

Date Collected: 04/04/25 09:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0012	U	0.0012	0.00034	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Tetrachloroethene	0.0012	U	0.0012	0.00038	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Toluene	0.0012	U	0.0012	0.00029	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
trans-1,2-Dichloroethene	0.0012	U	0.0012	0.00030	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
trans-1,3-Dichloropropene	0.0012	U	0.0012	0.00033	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Trichloroethene	0.0012	U	0.0012	0.00040	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Trichlorofluoromethane	0.0012	U	0.0012	0.00050	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Vinyl chloride	0.0012	U	0.0012	0.00067	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1
Xylenes, Total	0.0025	U	0.0025	0.00021	mg/Kg	☼	04/07/25 11:21	04/13/25 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*65 - 138*	*04/07/25 11:21*	*04/13/25 07:57*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/07/25 11:21*	*04/13/25 07:57*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/07/25 11:21*	*04/13/25 07:57*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/07/25 11:21*	*04/13/25 07:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.8**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.2**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14D1_0-1

Lab Sample ID: 460-323535-22

Date Collected: 04/04/25 09:45
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,1,2,2-Tetrachloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,1,2-Trichloroethane	0.0014	U	0.0014	0.00086	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,1-Dichloroethane	0.0014	U	0.0014	0.00086	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,1-Dichloroethene	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2,3-Trichlorobenzene	0.0014	U	0.0014	0.0011	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2,4-Trichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2,4-Trimethylbenzene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2-Dibromo-3-Chloropropane	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2-Dichlorobenzene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2-Dichloroethane	0.0014	U	0.0014	0.00043	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,2-Dichloropropane	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,3,5-Trimethylbenzene	0.0014	U	0.0014	0.00045	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,3-Dichlorobenzene	0.0014	U	0.0014	0.00053	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
1,4-Dichlorobenzene	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
2-Butanone (MEK)	0.0072	U	0.0072	0.00053	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
2-Hexanone	0.0072	U	0.0072	0.0025	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
4-Methyl-2-pentanone (MIBK)	0.0072	U	0.0072	0.0022	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Acetone	0.0086	U	0.0086	0.0082	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Benzene	0.0014	U	0.0014	0.00082	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Bromoform	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Bromomethane	0.0029	U	0.0029	0.0014	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1

Client Sample ID: 14D1_0-1
Date Collected: 04/04/25 09:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-22
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Carbon tetrachloride	0.0014	U	0.0014	0.00056	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chlorobenzene	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chlorobromomethane	0.0014	U	0.0014	0.00086	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chlorodibromomethane	0.0014	U	0.0014	0.00077	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chloroethane	0.0014	U	0.0014	0.00075	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chloroform	0.0014	U	0.0014	0.0014	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Chloromethane	0.0014	U	0.0014	0.00063	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
cis-1,2-Dichloroethene	0.0014	U	0.0014	0.00052	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
cis-1,3-Dichloropropene	0.0014	U	0.0014	0.00039	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Cyclohexane	0.0014	U	0.0014	0.00032	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Dichlorobromomethane	0.0014	U	0.0014	0.00037	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Dichlorodifluoromethane	0.0014	U	0.0014	0.00049	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Ethylbenzene	0.0014	U	0.0014	0.00067	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Ethylene Dibromide	0.0014	U	0.0014	0.00073	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Isopropylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Methyl acetate	0.0072	U	0.0072	0.0062	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Methyl tert-butyl ether	0.0014	U	0.0014	0.00074	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Methylcyclohexane	0.0014	U	0.0014	0.00072	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Methylene Chloride	**0.0020**	**J**	0.0029	0.0016	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
m-Xylene & p-Xylene	0.0014	U	0.0014	0.00061	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
n-Butylbenzene	0.0014	U	0.0014	0.00042	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
N-Propylbenzene	0.0014	U	0.0014	0.00065	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
o-Xylene	0.0014	U	0.0014	0.00066	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
sec-Butylbenzene	0.0014	U	0.0014	0.00041	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Styrene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
tert-Butylbenzene	0.0014	U	0.0014	0.00040	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Tetrachloroethene	0.0014	U	0.0014	0.00044	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Toluene	0.0014	U	0.0014	0.00034	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
trans-1,2-Dichloroethene	0.0014	U	0.0014	0.00035	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
trans-1,3-Dichloropropene	0.0014	U	0.0014	0.00038	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Trichloroethene	0.0014	U	0.0014	0.00046	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Trichlorofluoromethane	0.0014	U	0.0014	0.00058	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Vinyl chloride	0.0014	U	0.0014	0.00079	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1
Xylenes, Total	0.0029	U	0.0029	0.00025	mg/Kg	☼	04/07/25 11:21	04/13/25 08:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/07/25 11:21*	*04/13/25 08:21*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/07/25 11:21*	*04/13/25 08:21*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:21*	*04/13/25 08:21*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/07/25 11:21*	*04/13/25 08:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14D1_6-7
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-23
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Methyl acetate	0.0051	U *	0.0051	0.0044	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Methylene Chloride	**0.0018**	**J**	0.0021	0.0012	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1

Client Sample ID: 14D1_6-7

Lab Sample ID: 460-323535-23

Date Collected: 04/04/25 09:50
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/07/25 11:22	04/14/25 08:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*	*04/07/25 11:22*	*04/14/25 08:33*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/07/25 11:22*	*04/14/25 08:33*	*1*
Dibromofluoromethane (Surr)	*92*		*50 - 150*	*04/07/25 11:22*	*04/14/25 08:33*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/07/25 11:22*	*04/14/25 08:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.0**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**95.0**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14D1_11-12

Lab Sample ID: 460-323535-24

Date Collected: 04/04/25 09:55
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00077	U	0.00077	0.00018	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,1,2,2-Tetrachloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,1,2-Trichloroethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,1-Dichloroethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,1-Dichloroethene	0.00077	U	0.00077	0.00017	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2,3-Trichlorobenzene	0.00077	U	0.00077	0.00057	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2,4-Trichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2,4-Trimethylbenzene	0.00077	U	0.00077	0.00019	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2-Dibromo-3-Chloropropane	0.00077	U	0.00077	0.00036	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2-Dichloroethane	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,2-Dichloropropane	0.00077	U	0.00077	0.00033	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,3,5-Trimethylbenzene	0.00077	U	0.00077	0.00024	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,3-Dichlorobenzene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
1,4-Dichlorobenzene	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
2-Butanone (MEK)	0.0039	U	0.0039	0.00028	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
2-Hexanone	0.0039	U	0.0039	0.0013	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
4-Methyl-2-pentanone (MIBK)	0.0039	U	0.0039	0.0012	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Acetone	0.0046	U	0.0046	0.0044	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Benzene	0.00077	U	0.00077	0.00044	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Bromoform	0.00077	U	0.00077	0.00033	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Bromomethane	0.0015	U	0.0015	0.00077	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1

Client Sample ID: 14D1_11-12
Date Collected: 04/04/25 09:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-24
Matrix: Solid
Percent Solids: 93.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Carbon tetrachloride	0.00077	U	0.00077	0.00030	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chlorobenzene	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chlorobromomethane	0.00077	U	0.00077	0.00046	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chlorodibromomethane	0.00077	U	0.00077	0.00041	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chloroethane	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chloroform	0.00077	U	0.00077	0.00075	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Chloromethane	0.00077	U	0.00077	0.00034	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
cis-1,2-Dichloroethene	0.00077	U	0.00077	0.00028	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
cis-1,3-Dichloropropene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Cyclohexane	0.00077	U	0.00077	0.00017	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Dichlorobromomethane	0.00077	U	0.00077	0.00020	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Dichlorodifluoromethane	0.00077	U	0.00077	0.00026	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Ethylbenzene	0.00077	U	0.00077	0.00036	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Ethylene Dibromide	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Isopropylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Methyl acetate	0.0039	U	0.0039	0.0033	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Methyl tert-butyl ether	0.00077	U	0.00077	0.00040	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Methylcyclohexane	0.00077	U	0.00077	0.00039	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Methylene Chloride	0.0015	U	0.0015	0.00088	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
m-Xylene & p-Xylene	0.00077	U	0.00077	0.00033	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
n-Butylbenzene	0.00077	U	0.00077	0.00023	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
N-Propylbenzene	0.00077	U	0.00077	0.00035	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
o-Xylene	0.00077	U	0.00077	0.00036	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
sec-Butylbenzene	0.00077	U	0.00077	0.00022	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Styrene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
tert-Butylbenzene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Tetrachloroethene	0.00077	U	0.00077	0.00024	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Toluene	0.00077	U	0.00077	0.00018	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
trans-1,2-Dichloroethene	0.00077	U	0.00077	0.00019	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
trans-1,3-Dichloropropene	0.00077	U	0.00077	0.00021	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Trichloroethene	0.00077	U	0.00077	0.00025	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Trichlorofluoromethane	0.00077	U	0.00077	0.00031	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Vinyl chloride	0.00077	U	0.00077	0.00042	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/07/25 11:22	04/13/25 09:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/07/25 11:22*	*04/13/25 09:08*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/07/25 11:22*	*04/13/25 09:08*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/07/25 11:22*	*04/13/25 09:08*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/07/25 11:22*	*04/13/25 09:08*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.3**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D2_4-5
Date Collected: 04/04/25 10:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-25
Matrix: Solid
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,1,2-Trichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00064	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2-Dibromo-3-Chloropropane	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Benzene	0.00086	U	0.00086	0.00049	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Bromoform	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chlorobenzene	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chlorobromomethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chlorodibromomethane	0.00086	U	0.00086	0.00046	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chloroform	0.00086	U	0.00086	0.00084	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Chloromethane	0.00086	U	0.00086	0.00038	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Ethylbenzene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Ethylene Dibromide	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Isopropylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
N-Propylbenzene	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
o-Xylene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1

Client Sample ID: 14D2_4-5

Lab Sample ID: 460-323535-25

Date Collected: 04/04/25 10:00
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
trans-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Vinyl chloride	0.00086	U	0.00086	0.00047	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 12:24	04/13/25 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*65 - 138*	*04/06/25 12:24*	*04/13/25 09:32*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*04/06/25 12:24*	*04/13/25 09:32*	*1*
Dibromofluoromethane (Surr)	*106*		*50 - 150*	*04/06/25 12:24*	*04/13/25 09:32*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/06/25 12:24*	*04/13/25 09:32*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.3**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.7**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14D2_15-16

Lab Sample ID: 460-323535-26

Date Collected: 04/04/25 10:05
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00077	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00038	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
2-Butanone (MEK)	0.0052	U	0.0052	0.00038	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
2-Hexanone	0.0052	U	0.0052	0.0018	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
4-Methyl-2-pentanone (MIBK)	0.0052	U	0.0052	0.0016	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Benzene	0.0010	U	0.0010	0.00059	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1

Client Sample ID: 14D2_15-16
Date Collected: 04/04/25 10:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-26
Matrix: Solid
Percent Solids: 92.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chlorobromomethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chlorodibromomethane	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Dichlorobromomethane	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Ethylbenzene	0.0010	U	0.0010	0.00049	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Isopropylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Methyl acetate	0.0052	U	0.0052	0.0045	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Methylcyclohexane	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
n-Butylbenzene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
N-Propylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
o-Xylene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
tert-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Tetrachloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Vinyl chloride	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/06/25 12:24	04/13/25 09:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*65 - 138*	*04/06/25 12:24*	*04/13/25 09:55*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*	*04/06/25 12:24*	*04/13/25 09:55*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/06/25 12:24*	*04/13/25 09:55*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/06/25 12:24*	*04/13/25 09:55*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.9**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.1**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D3_13-14
Date Collected: 04/04/25 10:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-27
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00034	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Methylene Chloride	**0.0018**	**J**	0.0019	0.0011	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1

Client Sample ID: 14D3_13-14

Lab Sample ID: 460-323535-27

Date Collected: 04/04/25 10:10
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 12:24	04/13/25 10:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*65 - 138*	*04/06/25 12:24*	*04/13/25 10:19*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/06/25 12:24*	*04/13/25 10:19*	*1*
Dibromofluoromethane (Surr)	*104*		*50 - 150*	*04/06/25 12:24*	*04/13/25 10:19*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:24*	*04/13/25 10:19*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.8**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.2**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14D3_17-18

Lab Sample ID: 460-323535-28

Date Collected: 04/04/25 10:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,1,2,2-Tetrachloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,1,2-Trichloroethane	0.00086	U	0.00086	0.00052	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,1-Dichloroethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,1-Dichloroethene	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2,3-Trichlorobenzene	0.00086	U	0.00086	0.00064	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2,4-Trimethylbenzene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2-Dibromo-3-Chloropropane	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2-Dichloroethane	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,2-Dichloropropane	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,3,5-Trimethylbenzene	0.00086	U	0.00086	0.00027	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,3-Dichlorobenzene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
1,4-Dichlorobenzene	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
2-Butanone (MEK)	0.0043	U	0.0043	0.00032	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
2-Hexanone	0.0043	U	0.0043	0.0015	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
4-Methyl-2-pentanone (MIBK)	0.0043	U	0.0043	0.0013	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Acetone	0.0052	U	0.0052	0.0049	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Benzene	0.00086	U	0.00086	0.00049	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Bromoform	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Bromomethane	0.0017	U	0.0017	0.00086	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D3_17-18
Date Collected: 04/04/25 10:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-28
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Carbon tetrachloride	0.00086	U	0.00086	0.00033	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chlorobenzene	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chlorobromomethane	0.00086	U	0.00086	0.00051	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chlorodibromomethane	0.00086	U	0.00086	0.00046	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chloroethane	0.00086	U	0.00086	0.00045	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chloroform	0.00086	U	0.00086	0.00084	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Chloromethane	0.00086	U	0.00086	0.00037	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
cis-1,2-Dichloroethene	0.00086	U	0.00086	0.00031	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
cis-1,3-Dichloropropene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Cyclohexane	0.00086	U	0.00086	0.00019	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Dichlorobromomethane	0.00086	U	0.00086	0.00022	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Dichlorodifluoromethane	0.00086	U	0.00086	0.00029	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Ethylbenzene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Ethylene Dibromide	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Isopropylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Methyl acetate	0.0043	U	0.0043	0.0037	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Methyl tert-butyl ether	0.00086	U	0.00086	0.00044	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Methylcyclohexane	0.00086	U	0.00086	0.00043	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Methylene Chloride	0.0017	U	0.0017	0.00099	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
m-Xylene & p-Xylene	0.00086	U	0.00086	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
n-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
N-Propylbenzene	0.00086	U	0.00086	0.00039	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
o-Xylene	0.00086	U	0.00086	0.00040	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
sec-Butylbenzene	0.00086	U	0.00086	0.00025	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Styrene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
tert-Butylbenzene	0.00086	U	0.00086	0.00024	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Tetrachloroethene	0.00086	U	0.00086	0.00026	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Toluene	0.00086	U	0.00086	0.00020	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
trans-1,2-Dichloroethene	0.00086	U	0.00086	0.00021	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
trans-1,3-Dichloropropene	0.00086	U	0.00086	0.00023	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Trichloroethene	0.00086	U	0.00086	0.00028	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Trichlorofluoromethane	0.00086	U	0.00086	0.00035	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Vinyl chloride	0.00086	U	0.00086	0.00047	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1
Xylenes, Total	0.0017	U	0.0017	0.00015	mg/Kg	☼	04/06/25 12:25	04/13/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/06/25 12:25*	*04/13/25 10:42*	*1*
4-Bromofluorobenzene	*101*		*71 - 128*	*04/06/25 12:25*	*04/13/25 10:42*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/06/25 12:25*	*04/13/25 10:42*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:25*	*04/13/25 10:42*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**10.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**89.9**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14E1_5-6
Date Collected: 04/04/25 10:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-29
Matrix: Solid
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,1,2,2-Tetrachloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,1,2-Trichloroethane	0.00099	U	0.00099	0.00060	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,1-Dichloroethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,1-Dichloroethene	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2,3-Trichlorobenzene	0.00099	U	0.00099	0.00073	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2,4-Trichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2,4-Trimethylbenzene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2-Dibromo-3-Chloropropane	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2-Dichloroethane	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,2-Dichloropropane	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,3,5-Trimethylbenzene	0.00099	U	0.00099	0.00031	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,3-Dichlorobenzene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
1,4-Dichlorobenzene	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0015	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Benzene	0.00099	U	0.00099	0.00056	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Bromoform	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Bromomethane	0.0020	U	0.0020	0.00099	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Carbon disulfide	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Carbon tetrachloride	0.00099	U	0.00099	0.00038	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chlorobenzene	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chlorobromomethane	0.00099	U	0.00099	0.00059	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chlorodibromomethane	0.00099	U	0.00099	0.00053	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chloroethane	0.00099	U	0.00099	0.00052	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chloroform	0.00099	U	0.00099	0.00097	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Chloromethane	0.00099	U	0.00099	0.00043	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
cis-1,2-Dichloroethene	0.00099	U	0.00099	0.00036	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
cis-1,3-Dichloropropene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Cyclohexane	0.00099	U	0.00099	0.00022	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Dichlorobromomethane	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Dichlorodifluoromethane	0.00099	U	0.00099	0.00034	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Ethylbenzene	0.00099	U	0.00099	0.00047	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Ethylene Dibromide	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Isopropylbenzene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Methyl tert-butyl ether	0.00099	U	0.00099	0.00051	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Methylcyclohexane	0.00099	U	0.00099	0.00050	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
m-Xylene & p-Xylene	0.00099	U	0.00099	0.00042	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
n-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
N-Propylbenzene	0.00099	U	0.00099	0.00045	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
o-Xylene	0.00099	U	0.00099	0.00046	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
sec-Butylbenzene	0.00099	U	0.00099	0.00029	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Styrene	0.00099	U	0.00099	0.00028	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1

Client Sample ID: 14E1_5-6

Lab Sample ID: 460-323535-29

Date Collected: 04/04/25 10:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00099	U	0.00099	0.00027	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Tetrachloroethene	0.00099	U	0.00099	0.00030	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Toluene	0.00099	U	0.00099	0.00023	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
trans-1,2-Dichloroethene	0.00099	U	0.00099	0.00024	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
trans-1,3-Dichloropropene	0.00099	U	0.00099	0.00026	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Trichloroethene	0.00099	U	0.00099	0.00032	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Trichlorofluoromethane	0.00099	U	0.00099	0.00040	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Vinyl chloride	0.00099	U	0.00099	0.00054	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg	☼	04/06/25 12:25	04/13/25 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 12:25*	*04/13/25 11:06*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/06/25 12:25*	*04/13/25 11:06*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/06/25 12:25*	*04/13/25 11:06*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 12:25*	*04/13/25 11:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14E1_12-13

Lab Sample ID: 460-323535-30

Date Collected: 04/04/25 10:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00067	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1

Client Sample ID: 14E1_12-13
Date Collected: 04/04/25 10:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-30
Matrix: Solid
Percent Solids: 90.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chlorodibromomethane	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chloroform	0.00090	U	0.00090	0.00088	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00031	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Ethylene Dibromide	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
n-Butylbenzene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
N-Propylbenzene	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
o-Xylene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Tetrachloroethene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 12:26	04/13/25 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*65 - 138*	*04/06/25 12:26*	*04/13/25 11:30*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/06/25 12:26*	*04/13/25 11:30*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/06/25 12:26*	*04/13/25 11:30*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 12:26*	*04/13/25 11:30*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.3		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	90.7		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14E1_16-17
Date Collected: 04/04/25 10:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-31
Matrix: Solid
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Acetone	0.0061	U	0.0061	0.0058	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chloroethane	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chloroform	0.0010	U	0.0010	0.00098	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Ethylene Dibromide	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Methylene Chloride	0.0020	U	0.0020	0.0012	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1

Client Sample ID: 14E1_16-17

Lab Sample ID: 460-323535-31

Date Collected: 04/04/25 10:30
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1
Xylenes, Total	0.0020	U	0.0020	0.00018	mg/Kg	☼	04/06/25 12:26	04/13/25 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*	*04/06/25 12:26*	*04/13/25 11:53*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/06/25 12:26*	*04/13/25 11:53*	*1*
Dibromofluoromethane (Surr)	*98*		*50 - 150*	*04/06/25 12:26*	*04/13/25 11:53*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:26*	*04/13/25 11:53*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.7**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.3**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14E2_3-4

Lab Sample ID: 460-323535-32

Date Collected: 04/04/25 10:35
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1

Client Sample ID: 14E2_3-4
Date Collected: 04/04/25 10:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-32
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chloroform	0.00095	U	0.00095	0.00092	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Ethylbenzene	0.00095	U	0.00095	0.00045	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Methylcyclohexane	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 12:26	04/13/25 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*04/06/25 12:26*	*04/13/25 12:17*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*	*04/06/25 12:26*	*04/13/25 12:17*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 12:26*	*04/13/25 12:17*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:26*	*04/13/25 12:17*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**7.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**92.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14E2_9-10
Date Collected: 04/04/25 10:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-33
Matrix: Solid
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,1,2,2-Tetrachloroethane	0.00097	U	0.00097	0.00051	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,1,2-Trichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,1-Dichloroethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,1-Dichloroethene	0.00097	U	0.00097	0.00022	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2,3-Trichlorobenzene	0.00097	U	0.00097	0.00072	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2,4-Trichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2,4-Trimethylbenzene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2-Dibromo-3-Chloropropane	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2-Dichloroethane	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,2-Dichloropropane	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,3,5-Trimethylbenzene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,3-Dichlorobenzene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
1,4-Dichlorobenzene	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
2-Butanone (MEK)	0.0049	U	0.0049	0.00036	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
2-Hexanone	0.0049	U	0.0049	0.0017	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
4-Methyl-2-pentanone (MIBK)	0.0049	U	0.0049	0.0015	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Acetone	0.0058	U	0.0058	0.0055	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Benzene	0.00097	U	0.00097	0.00055	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Bromoform	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Bromomethane	0.0019	U	0.0019	0.00097	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Carbon disulfide	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Carbon tetrachloride	0.00097	U	0.00097	0.00038	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chlorobenzene	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chlorobromomethane	0.00097	U	0.00097	0.00058	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chlorodibromomethane	0.00097	U	0.00097	0.00052	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chloroethane	0.00097	U	0.00097	0.00051	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chloroform	0.00097	U	0.00097	0.00094	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Chloromethane	0.00097	U	0.00097	0.00042	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
cis-1,2-Dichloroethene	0.00097	U	0.00097	0.00035	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
cis-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Cyclohexane	0.00097	U	0.00097	0.00021	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Dichlorobromomethane	0.00097	U	0.00097	0.00025	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Dichlorodifluoromethane	0.00097	U	0.00097	0.00033	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Ethylbenzene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Ethylene Dibromide	0.00097	U	0.00097	0.00049	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Isopropylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Methyl acetate	0.0049	U *	0.0049	0.0042	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Methyl tert-butyl ether	0.00097	U	0.00097	0.00050	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Methylcyclohexane	0.00097	U	0.00097	0.00048	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
m-Xylene & p-Xylene	0.00097	U	0.00097	0.00041	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
n-Butylbenzene	0.00097	U	0.00097	0.00029	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
N-Propylbenzene	0.00097	U	0.00097	0.00044	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
o-Xylene	0.00097	U	0.00097	0.00045	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
sec-Butylbenzene	0.00097	U	0.00097	0.00028	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Styrene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1

Client Sample ID: 14E2_9-10

Lab Sample ID: 460-323535-33

Date Collected: 04/04/25 10:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 96.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00097	U	0.00097	0.00027	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Tetrachloroethene	0.00097	U	0.00097	0.00030	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Toluene	0.00097	U	0.00097	0.00023	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
trans-1,2-Dichloroethene	0.00097	U	0.00097	0.00024	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
trans-1,3-Dichloropropene	0.00097	U	0.00097	0.00026	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Trichloroethene	0.00097	U	0.00097	0.00031	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Trichlorofluoromethane	0.00097	U	0.00097	0.00039	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Vinyl chloride	0.00097	U	0.00097	0.00053	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 12:27	04/14/25 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*	*04/06/25 12:27*	*04/14/25 08:57*	*1*
4-Bromofluorobenzene	*102*		*71 - 128*	*04/06/25 12:27*	*04/14/25 08:57*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*	*04/06/25 12:27*	*04/14/25 08:57*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*	*04/06/25 12:27*	*04/14/25 08:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.0**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**96.0**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14E3_12-13

Lab Sample ID: 460-323535-34

Date Collected: 04/04/25 10:45
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00069	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Acetone	0.0056	U	0.0056	0.0054	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1

Client Sample ID: 14E3_12-13
Date Collected: 04/04/25 10:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-34
Matrix: Solid
Percent Solids: 95.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chlorodibromomethane	0.00094	U	0.00094	0.00050	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Methyl acetate	0.0047	U	0.0047	0.0040	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 12:27	04/13/25 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*65 - 138*	*04/06/25 12:27*	*04/13/25 13:04*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/06/25 12:27*	*04/13/25 13:04*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/06/25 12:27*	*04/13/25 13:04*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:27*	*04/13/25 13:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**5.0**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**95.0**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14E3_15-16
Date Collected: 04/04/25 10:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-35
Matrix: Solid
Percent Solids: 95.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,1,2,2-Tetrachloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,1,2-Trichloroethane	0.00094	U	0.00094	0.00057	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,1-Dichloroethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,1-Dichloroethene	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2,3-Trichlorobenzene	0.00094	U	0.00094	0.00070	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2,4-Trichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2,4-Trimethylbenzene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2-Dibromo-3-Chloropropane	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2-Dichloroethane	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,2-Dichloropropane	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,3,5-Trimethylbenzene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,3-Dichlorobenzene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
1,4-Dichlorobenzene	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
2-Butanone (MEK)	0.0047	U	0.0047	0.00035	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
2-Hexanone	0.0047	U	0.0047	0.0016	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
4-Methyl-2-pentanone (MIBK)	0.0047	U	0.0047	0.0015	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Benzene	0.00094	U	0.00094	0.00053	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Bromoform	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Bromomethane	0.0019	U	0.0019	0.00094	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Carbon disulfide	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Carbon tetrachloride	0.00094	U	0.00094	0.00036	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chlorobenzene	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chlorobromomethane	0.00094	U	0.00094	0.00056	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chlorodibromomethane	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chloroethane	0.00094	U	0.00094	0.00049	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chloroform	0.00094	U	0.00094	0.00091	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Chloromethane	0.00094	U	0.00094	0.00041	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
cis-1,2-Dichloroethene	0.00094	U	0.00094	0.00034	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
cis-1,3-Dichloropropene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Cyclohexane	0.00094	U	0.00094	0.00021	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Dichlorobromomethane	0.00094	U	0.00094	0.00024	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Dichlorodifluoromethane	0.00094	U	0.00094	0.00032	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Ethylbenzene	0.00094	U	0.00094	0.00044	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Ethylene Dibromide	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Isopropylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Methyl acetate	0.0047	U *	0.0047	0.0041	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Methyl tert-butyl ether	0.00094	U	0.00094	0.00048	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Methylcyclohexane	0.00094	U	0.00094	0.00047	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
m-Xylene & p-Xylene	0.00094	U	0.00094	0.00040	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
n-Butylbenzene	0.00094	U	0.00094	0.00028	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
N-Propylbenzene	0.00094	U	0.00094	0.00042	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
o-Xylene	0.00094	U	0.00094	0.00043	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
sec-Butylbenzene	0.00094	U	0.00094	0.00027	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Styrene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1

Client Sample ID: 14E3_15-16

Lab Sample ID: 460-323535-35

Date Collected: 04/04/25 10:50
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00094	U	0.00094	0.00026	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Tetrachloroethene	0.00094	U	0.00094	0.00029	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Toluene	0.00094	U	0.00094	0.00022	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
trans-1,2-Dichloroethene	0.00094	U	0.00094	0.00023	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
trans-1,3-Dichloropropene	0.00094	U	0.00094	0.00025	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Trichloroethene	0.00094	U	0.00094	0.00030	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Trichlorofluoromethane	0.00094	U	0.00094	0.00038	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Vinyl chloride	0.00094	U	0.00094	0.00051	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 12:28	04/14/25 09:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*65 - 138*	*04/06/25 12:28*	*04/14/25 09:21*	*1*
4-Bromofluorobenzene	*111*		*71 - 128*	*04/06/25 12:28*	*04/14/25 09:21*	*1*
Dibromofluoromethane (Surr)	*96*		*50 - 150*	*04/06/25 12:28*	*04/14/25 09:21*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*	*04/06/25 12:28*	*04/14/25 09:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**4.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**95.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14F1_3-4

Lab Sample ID: 460-323535-36

Date Collected: 04/04/25 10:55
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00073	U	0.00073	0.00017	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,1,2,2-Tetrachloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,1,2-Trichloroethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,1-Dichloroethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,1-Dichloroethene	0.00073	U	0.00073	0.00016	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2,3-Trichlorobenzene	0.00073	U	0.00073	0.00054	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2,4-Trichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2,4-Trimethylbenzene	0.00073	U	0.00073	0.00018	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2-Dibromo-3-Chloropropane	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2-Dichlorobenzene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2-Dichloroethane	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,2-Dichloropropane	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,3,5-Trimethylbenzene	0.00073	U	0.00073	0.00023	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,3-Dichlorobenzene	0.00073	U	0.00073	0.00027	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
1,4-Dichlorobenzene	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
2-Hexanone	0.0037	U	0.0037	0.0012	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0011	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Benzene	0.00073	U	0.00073	0.00041	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Bromoform	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Bromomethane	0.0015	U	0.0015	0.00073	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F1_3-4
Date Collected: 04/04/25 10:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-36
Matrix: Solid
Percent Solids: 91.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Carbon tetrachloride	0.00073	U	0.00073	0.00028	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chlorobenzene	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chlorobromomethane	0.00073	U	0.00073	0.00044	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chlorodibromomethane	0.00073	U	0.00073	0.00039	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chloroethane	0.00073	U	0.00073	0.00038	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chloroform	0.00073	U	0.00073	0.00071	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Chloromethane	0.00073	U	0.00073	0.00032	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
cis-1,2-Dichloroethene	0.00073	U	0.00073	0.00026	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
cis-1,3-Dichloropropene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Cyclohexane	0.00073	U	0.00073	0.00016	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Dichlorobromomethane	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Dichlorodifluoromethane	0.00073	U	0.00073	0.00025	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Ethylbenzene	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Ethylene Dibromide	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Isopropylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Methyl acetate	0.0037	U	0.0037	0.0031	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Methyl tert-butyl ether	0.00073	U	0.00073	0.00037	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Methylcyclohexane	0.00073	U	0.00073	0.00036	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Methylene Chloride	0.0015	U	0.0015	0.00084	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
m-Xylene & p-Xylene	0.00073	U	0.00073	0.00031	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
n-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
N-Propylbenzene	0.00073	U	0.00073	0.00033	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
o-Xylene	0.00073	U	0.00073	0.00034	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
sec-Butylbenzene	0.00073	U	0.00073	0.00021	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Styrene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
tert-Butylbenzene	0.00073	U	0.00073	0.00020	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Tetrachloroethene	0.00073	U	0.00073	0.00022	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Toluene	0.00073	U	0.00073	0.00017	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
trans-1,2-Dichloroethene	0.00073	U	0.00073	0.00018	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
trans-1,3-Dichloropropene	0.00073	U	0.00073	0.00019	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Trichloroethene	0.00073	U	0.00073	0.00023	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Trichlorofluoromethane	0.00073	U	0.00073	0.00030	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Vinyl chloride	0.00073	U	0.00073	0.00040	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/06/25 12:28	04/13/25 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*04/06/25 12:28*	*04/13/25 13:51*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*04/06/25 12:28*	*04/13/25 13:51*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/06/25 12:28*	*04/13/25 13:51*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*	*04/06/25 12:28*	*04/13/25 13:51*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**8.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**91.5**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14F1_7-8
Date Collected: 04/04/25 11:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-37
Matrix: Solid
Percent Solids: 85.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00062	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00076	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00032	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
2-Butanone (MEK)	0.0051	U	0.0051	0.00038	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
2-Hexanone	0.0051	U	0.0051	0.0018	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
4-Methyl-2-pentanone (MIBK)	0.0051	U	0.0051	0.0016	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Acetone	0.0062	U	0.0062	0.0059	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Benzene	0.0010	U	0.0010	0.00058	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Bromoform	0.0010	U	0.0010	0.00044	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Bromomethane	0.0021	U	0.0021	0.0010	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Carbon tetrachloride	0.0010	U	0.0010	0.00040	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chlorobromomethane	0.0010	U	0.0010	0.00061	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chlorodibromomethane	0.0010	U	0.0010	0.00055	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chloroethane	0.0010	U	0.0010	0.00054	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Chloromethane	0.0010	U	0.0010	0.00045	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00037	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Cyclohexane	0.0010	U	0.0010	0.00023	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00035	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Ethylbenzene	0.0010	U	0.0010	0.00048	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Ethylene Dibromide	0.0010	U	0.0010	0.00052	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Methyl acetate	0.0051	U	0.0051	0.0044	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00053	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Methylcyclohexane	0.0010	U	0.0010	0.00051	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Methylene Chloride	0.0021	U	0.0021	0.0012	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00043	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
n-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
N-Propylbenzene	0.0010	U	0.0010	0.00046	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
o-Xylene	0.0010	U	0.0010	0.00047	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
sec-Butylbenzene	0.0010	U	0.0010	0.00030	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Styrene	0.0010	U	0.0010	0.00029	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1

Client Sample ID: 14F1_7-8

Lab Sample ID: 460-323535-37

Date Collected: 04/04/25 11:00
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 85.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Toluene	0.0010	U	0.0010	0.00024	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Trichloroethene	0.0010	U	0.0010	0.00033	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00042	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Vinyl chloride	0.0010	U	0.0010	0.00056	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1
Xylenes, Total	0.0021	U	0.0021	0.00018	mg/Kg	☼	04/06/25 12:29	04/13/25 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*65 - 138*	*04/06/25 12:29*	*04/13/25 14:15*	*1*
4-Bromofluorobenzene	*104*		*71 - 128*	*04/06/25 12:29*	*04/13/25 14:15*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*	*04/06/25 12:29*	*04/13/25 14:15*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 12:29*	*04/13/25 14:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**15.0**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**85.0**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14F2_1-2

Lab Sample ID: 460-323535-38

Date Collected: 04/04/25 11:05
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,1,2,2-Tetrachloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,1,2-Trichloroethane	0.00093	U	0.00093	0.00056	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,1-Dichloroethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,1-Dichloroethene	0.00093	U	0.00093	0.00021	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2,3-Trichlorobenzene	0.00093	U	0.00093	0.00068	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2,4-Trichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2,4-Trimethylbenzene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2-Dibromo-3-Chloropropane	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2-Dichlorobenzene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2-Dichloroethane	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,2-Dichloropropane	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,3,5-Trimethylbenzene	0.00093	U	0.00093	0.00029	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,3-Dichlorobenzene	0.00093	U	0.00093	0.00034	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
1,4-Dichlorobenzene	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
2-Butanone (MEK)	0.0046	U	0.0046	0.00034	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
2-Hexanone	0.0046	U	0.0046	0.0016	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
4-Methyl-2-pentanone (MIBK)	0.0046	U	0.0046	0.0014	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Acetone	0.0056	U	0.0056	0.0053	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Benzene	0.00093	U	0.00093	0.00052	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Bromoform	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Bromomethane	0.0019	U	0.0019	0.00093	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1

Client Sample ID: 14F2_1-2
Date Collected: 04/04/25 11:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-38
Matrix: Solid
Percent Solids: 93.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Carbon tetrachloride	0.00093	U	0.00093	0.00036	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chlorobenzene	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chlorobromomethane	0.00093	U	0.00093	0.00055	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chlorodibromomethane	0.00093	U	0.00093	0.00050	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chloroethane	0.00093	U	0.00093	0.00048	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chloroform	0.00093	U	0.00093	0.00090	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Chloromethane	0.00093	U	0.00093	0.00040	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
cis-1,2-Dichloroethene	0.00093	U	0.00093	0.00033	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
cis-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Cyclohexane	0.00093	U	0.00093	0.00020	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Dichlorobromomethane	0.00093	U	0.00093	0.00024	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Dichlorodifluoromethane	0.00093	U	0.00093	0.00031	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Ethylbenzene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Ethylene Dibromide	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Isopropylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Methyl acetate	0.0046	U	0.0046	0.0040	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Methyl tert-butyl ether	0.00093	U	0.00093	0.00047	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Methylcyclohexane	0.00093	U	0.00093	0.00046	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
m-Xylene & p-Xylene	0.00093	U	0.00093	0.00039	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
n-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
N-Propylbenzene	0.00093	U	0.00093	0.00042	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
o-Xylene	0.00093	U	0.00093	0.00043	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
sec-Butylbenzene	0.00093	U	0.00093	0.00027	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Styrene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
tert-Butylbenzene	0.00093	U	0.00093	0.00026	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Tetrachloroethene	0.00093	U	0.00093	0.00028	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Toluene	0.00093	U	0.00093	0.00022	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
trans-1,2-Dichloroethene	0.00093	U	0.00093	0.00023	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
trans-1,3-Dichloropropene	0.00093	U	0.00093	0.00025	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Trichloroethene	0.00093	U	0.00093	0.00030	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Trichlorofluoromethane	0.00093	U	0.00093	0.00038	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Vinyl chloride	0.00093	U	0.00093	0.00051	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1
Xylenes, Total	0.0019	U	0.0019	0.00016	mg/Kg	☼	04/06/25 12:29	04/15/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*	*04/06/25 12:29*	*04/15/25 12:33*	*1*
4-Bromofluorobenzene	*109*		*71 - 128*	*04/06/25 12:29*	*04/15/25 12:33*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 12:29*	*04/15/25 12:33*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*	*04/06/25 12:29*	*04/15/25 12:33*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**6.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**93.6**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F2_5-6
Date Collected: 04/04/25 11:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-39
Matrix: Solid
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Acetone	0.0057	U	0.0057	0.0054	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chloroform	0.00095	U	0.00095	0.00093	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Cyclohexane	**0.00088**	**J**	0.00095	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Ethylbenzene	0.00095	U	0.00095	0.00045	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Methylcyclohexane	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1

Client Sample ID: 14F2_5-6

Lab Sample ID: 460-323535-39

Date Collected: 04/04/25 11:10
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 87.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 12:30	04/15/25 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*65 - 138*	*04/06/25 12:30*	*04/15/25 12:57*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*04/06/25 12:30*	*04/15/25 12:57*	*1*
Dibromofluoromethane (Surr)	*108*		*50 - 150*	*04/06/25 12:30*	*04/15/25 12:57*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/06/25 12:30*	*04/15/25 12:57*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.1**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**87.9**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14F2_9-10

Lab Sample ID: 460-323535-40

Date Collected: 04/04/25 11:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 88.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,1,2,2-Tetrachloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,1,2-Trichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,1-Dichloroethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,1-Dichloroethene	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2,3-Trichlorobenzene	0.00095	U	0.00095	0.00070	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2,4-Trichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2,4-Trimethylbenzene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2-Dibromo-3-Chloropropane	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2-Dichlorobenzene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2-Dichloroethane	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,2-Dichloropropane	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,3,5-Trimethylbenzene	0.00095	U	0.00095	0.00030	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,3-Dichlorobenzene	0.00095	U	0.00095	0.00035	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
1,4-Dichlorobenzene	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
2-Butanone (MEK)	0.0048	U	0.0048	0.00035	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
2-Hexanone	0.0048	U	0.0048	0.0016	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
4-Methyl-2-pentanone (MIBK)	0.0048	U	0.0048	0.0015	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Acetone	**0.016**		0.0057	0.0054	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Benzene	0.00095	U	0.00095	0.00054	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Bromoform	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Bromomethane	0.0019	U	0.0019	0.00095	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1

Client Sample ID: 14F2_9-10
Date Collected: 04/04/25 11:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-40
Matrix: Solid
Percent Solids: 88.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Carbon tetrachloride	0.00095	U	0.00095	0.00037	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chlorobenzene	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chlorobromomethane	0.00095	U	0.00095	0.00057	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chlorodibromomethane	0.00095	U	0.00095	0.00051	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chloroethane	0.00095	U	0.00095	0.00050	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chloroform	0.00095	U	0.00095	0.00093	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Chloromethane	0.00095	U	0.00095	0.00041	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
cis-1,2-Dichloroethene	0.00095	U	0.00095	0.00034	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
cis-1,3-Dichloropropene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Cyclohexane	0.00095	U	0.00095	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Dichlorobromomethane	0.00095	U	0.00095	0.00024	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Dichlorodifluoromethane	0.00095	U	0.00095	0.00032	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Ethylbenzene	0.00095	U	0.00095	0.00045	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Ethylene Dibromide	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Isopropylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Methyl acetate	0.0048	U	0.0048	0.0041	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Methyl tert-butyl ether	0.00095	U	0.00095	0.00049	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Methylcyclohexane	0.00095	U	0.00095	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Methylene Chloride	0.0019	U	0.0019	0.0011	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
m-Xylene & p-Xylene	0.00095	U	0.00095	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
n-Butylbenzene	0.00095	U	0.00095	0.00028	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
N-Propylbenzene	0.00095	U	0.00095	0.00043	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
o-Xylene	0.00095	U	0.00095	0.00044	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
sec-Butylbenzene	0.00095	U	0.00095	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Styrene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
tert-Butylbenzene	0.00095	U	0.00095	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Tetrachloroethene	0.00095	U	0.00095	0.00029	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Toluene	0.00095	U	0.00095	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
trans-1,2-Dichloroethene	0.00095	U	0.00095	0.00023	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
trans-1,3-Dichloropropene	0.00095	U	0.00095	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Trichloroethene	0.00095	U	0.00095	0.00031	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Trichlorofluoromethane	0.00095	U	0.00095	0.00039	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Vinyl chloride	0.00095	U	0.00095	0.00052	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1
Xylenes, Total	0.0019	U	0.0019	0.00017	mg/Kg	☼	04/06/25 12:30	04/15/25 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*65 - 138*	*04/06/25 12:30*	*04/15/25 13:21*	*1*
4-Bromofluorobenzene	*107*		*71 - 128*	*04/06/25 12:30*	*04/15/25 13:21*	*1*
Dibromofluoromethane (Surr)	*101*		*50 - 150*	*04/06/25 12:30*	*04/15/25 13:21*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*	*04/06/25 12:30*	*04/15/25 13:21*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**11.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**88.5**		1.0	1.0	%			04/07/25 08:17	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F3_2-3
Date Collected: 04/04/25 11:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-41
Matrix: Solid
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,1,2,2-Tetrachloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,1,2-Trichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,1-Dichloroethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,1-Dichloroethene	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2,3-Trichlorobenzene	0.00090	U	0.00090	0.00067	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2,4-Trichlorobenzene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2,4-Trimethylbenzene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2-Dibromo-3-Chloropropane	0.00090	U	0.00090	0.00041	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2-Dichloroethane	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,2-Dichloropropane	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,3,5-Trimethylbenzene	0.00090	U	0.00090	0.00028	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,3-Dichlorobenzene	0.00090	U	0.00090	0.00033	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
1,4-Dichlorobenzene	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
2-Butanone (MEK)	0.0045	U	0.0045	0.00033	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
2-Hexanone	0.0045	U	0.0045	0.0015	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
4-Methyl-2-pentanone (MIBK)	0.0045	U	0.0045	0.0014	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Acetone	0.0054	U	0.0054	0.0052	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Benzene	0.00090	U	0.00090	0.00051	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Bromoform	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Bromomethane	0.0018	U	0.0018	0.00090	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Carbon disulfide	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Carbon tetrachloride	0.00090	U	0.00090	0.00035	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chlorobenzene	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chlorobromomethane	0.00090	U	0.00090	0.00054	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chlorodibromomethane	0.00090	U	0.00090	0.00048	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chloroethane	0.00090	U	0.00090	0.00047	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chloroform	0.00090	U	0.00090	0.00087	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Chloromethane	0.00090	U	0.00090	0.00039	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
cis-1,2-Dichloroethene	0.00090	U	0.00090	0.00032	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
cis-1,3-Dichloropropene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Cyclohexane	0.00090	U	0.00090	0.00020	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Dichlorobromomethane	0.00090	U	0.00090	0.00023	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Dichlorodifluoromethane	0.00090	U	0.00090	0.00030	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Ethylbenzene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Ethylene Dibromide	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Isopropylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Methyl acetate	0.0045	U	0.0045	0.0039	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Methyl tert-butyl ether	0.00090	U	0.00090	0.00046	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Methylcyclohexane	0.00090	U	0.00090	0.00045	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Methylene Chloride	0.0018	U	0.0018	0.0010	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
m-Xylene & p-Xylene	0.00090	U	0.00090	0.00038	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
n-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
N-Propylbenzene	0.00090	U	0.00090	0.00040	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
o-Xylene	0.00090	U	0.00090	0.00042	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
sec-Butylbenzene	0.00090	U	0.00090	0.00026	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Styrene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1

Client Sample ID: 14F3_2-3

Lab Sample ID: 460-323535-41

Date Collected: 04/04/25 11:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00090	U	0.00090	0.00025	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Tetrachloroethene	0.00090	U	0.00090	0.00027	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Toluene	0.00090	U	0.00090	0.00021	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
trans-1,2-Dichloroethene	0.00090	U	0.00090	0.00022	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
trans-1,3-Dichloropropene	0.00090	U	0.00090	0.00024	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Trichloroethene	0.00090	U	0.00090	0.00029	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Trichlorofluoromethane	0.00090	U	0.00090	0.00037	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Vinyl chloride	0.00090	U	0.00090	0.00049	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1
Xylenes, Total	0.0018	U	0.0018	0.00016	mg/Kg	☼	04/06/25 12:30	04/15/25 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*65 - 138*	*04/06/25 12:30*	*04/15/25 16:06*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*	*04/06/25 12:30*	*04/15/25 16:06*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*	*04/06/25 12:30*	*04/15/25 16:06*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*	*04/06/25 12:30*	*04/15/25 16:06*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**9.4**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**90.6**		1.0	1.0	%			04/07/25 08:17	1

Client Sample ID: 14F3_6-7

Lab Sample ID: 460-323535-42

Date Collected: 04/04/25 11:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00074	U	0.00074	0.00017	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,1,2,2-Tetrachloroethane	0.00074	U	0.00074	0.00039	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,1,2-Trichloroethane	0.00074	U	0.00074	0.00044	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,1-Dichloroethane	0.00074	U	0.00074	0.00044	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,1-Dichloroethene	0.00074	U	0.00074	0.00017	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2,3-Trichlorobenzene	0.00074	U	0.00074	0.00055	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2,4-Trichlorobenzene	0.00074	U	0.00074	0.00026	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2,4-Trimethylbenzene	0.00074	U	0.00074	0.00018	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2-Dibromo-3-Chloropropane	0.00074	U	0.00074	0.00034	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2-Dichloroethane	0.00074	U	0.00074	0.00022	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,2-Dichloropropane	0.00074	U	0.00074	0.00031	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,3,5-Trimethylbenzene	0.00074	U	0.00074	0.00023	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,3-Dichlorobenzene	0.00074	U	0.00074	0.00027	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
1,4-Dichlorobenzene	0.00074	U	0.00074	0.00038	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
2-Butanone (MEK)	0.0037	U	0.0037	0.00027	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
2-Hexanone	0.0037	U	0.0037	0.0013	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
4-Methyl-2-pentanone (MIBK)	0.0037	U	0.0037	0.0011	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Acetone	0.0044	U	0.0044	0.0042	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Benzene	0.00074	U	0.00074	0.00042	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Bromoform	0.00074	U	0.00074	0.00031	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Bromomethane	0.0015	U	0.0015	0.00074	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1

Client Sample ID: 14F3_6-7
Date Collected: 04/04/25 11:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-42
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.00074	U	0.00074	0.00020	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Carbon tetrachloride	0.00074	U	0.00074	0.00029	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chlorobenzene	0.00074	U	0.00074	0.00037	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chlorobromomethane	0.00074	U	0.00074	0.00044	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chlorodibromomethane	0.00074	U	0.00074	0.00040	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chloroethane	0.00074	U	0.00074	0.00039	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chloroform	0.00074	U	0.00074	0.00072	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Chloromethane	0.00074	U	0.00074	0.00032	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
cis-1,2-Dichloroethene	0.00074	U	0.00074	0.00026	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
cis-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Cyclohexane	0.00074	U	0.00074	0.00016	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Dichlorobromomethane	0.00074	U	0.00074	0.00019	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Dichlorodifluoromethane	0.00074	U	0.00074	0.00025	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Ethylbenzene	0.00074	U	0.00074	0.00035	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Ethylene Dibromide	0.00074	U	0.00074	0.00037	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Isopropylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Methyl acetate	0.0037	U	0.0037	0.0032	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Methyl tert-butyl ether	0.00074	U	0.00074	0.00038	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Methylcyclohexane	0.00074	U	0.00074	0.00037	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Methylene Chloride	0.0015	U	0.0015	0.00085	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
m-Xylene & p-Xylene	0.00074	U	0.00074	0.00031	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
n-Butylbenzene	0.00074	U	0.00074	0.00022	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
N-Propylbenzene	0.00074	U	0.00074	0.00033	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
o-Xylene	0.00074	U	0.00074	0.00034	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
sec-Butylbenzene	0.00074	U	0.00074	0.00021	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Styrene	0.00074	U	0.00074	0.00021	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
tert-Butylbenzene	0.00074	U	0.00074	0.00020	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Tetrachloroethene	0.00074	U	0.00074	0.00023	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Toluene	0.00074	U	0.00074	0.00017	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
trans-1,2-Dichloroethene	0.00074	U	0.00074	0.00018	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
trans-1,3-Dichloropropene	0.00074	U	0.00074	0.00020	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Trichloroethene	0.00074	U	0.00074	0.00024	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Trichlorofluoromethane	0.00074	U	0.00074	0.00030	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Vinyl chloride	0.00074	U	0.00074	0.00040	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1
Xylenes, Total	0.0015	U	0.0015	0.00013	mg/Kg	☼	04/06/25 12:31	04/15/25 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*65 - 138*	*04/06/25 12:31*	*04/15/25 13:45*	*1*
4-Bromofluorobenzene	*100*		*71 - 128*	*04/06/25 12:31*	*04/15/25 13:45*	*1*
Dibromofluoromethane (Surr)	*99*		*50 - 150*	*04/06/25 12:31*	*04/15/25 13:45*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*	*04/06/25 12:31*	*04/15/25 13:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	**12.5**		1.0	1.0	%			04/07/25 08:17	1
Percent Solids (EPA Moisture)	**87.5**		1.0	1.0	%			04/07/25 08:17	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
460-323535-1	14A1_1-2	99	107	100	94
460-323535-2	14A1_3-4	101	101	102	94
460-323535-3	14A1_7-8	96	100	96	91
460-323535-4	14A2_3-4	98	103	102	96
460-323535-5	14A2_7-8	96	102	96	94
460-323535-6	14A3_2-3	101	104	97	93
460-323535-7	14A3_5-6	99	105	99	92
460-323535-8	14B1_0-1	101	100	98	89
460-323535-9	14B1_3-4	103	102	100	94
460-323535-10	14B2_2-3	103	103	102	94
460-323535-11	14B2_7-8	97	101	98	89
460-323535-12	14B3_1-2	101	101	97	90
460-323535-13	14B3_5-6	102	101	102	90
460-323535-14	14B3_9-10	98	100	97	90
460-323535-15	14C1_2-3	104	105	103	95
460-323535-16	14C1_10-11	99	99	98	89
460-323535-17	14C1_9-10	99	103	97	92
460-323535-18	14C2_1-2	102	103	98	93
460-323535-19	14C2_11-12	102	102	100	91
460-323535-20	14C3_3-4	127	124	122	113
460-323535-21	14C3_7-8	98	100	99	93
460-323535-22	14D1_0-1	99	101	102	92
460-323535-23	14D1_6-7	97	103	92	96
460-323535-24	14D1_11-12	100	105	102	93
460-323535-25	14D2_4-5	106	106	106	96
460-323535-26	14D2_15-16	100	103	101	92
460-323535-27	14D3_13-14	104	107	104	94
460-323535-28	14D3_17-18	102	101	102	94
460-323535-29	14E1_5-6	101	107	101	91
460-323535-30	14E1_12-13	103	105	102	91
460-323535-31	14E1_16-17	99	107	98	94
460-323535-32	14E2_3-4	105	105	100	94
460-323535-33	14E2_9-10	94	102	94	97
460-323535-34	14E3_12-13	102	104	101	94
460-323535-35	14E3_15-16	95	111	96	96
460-323535-36	14F1_3-4	105	106	102	93
460-323535-37	14F1_7-8	105	104	102	91
460-323535-38	14F2_1-2	92	109	99	91
460-323535-39	14F2_5-6	101	106	108	92
460-323535-40	14F2_9-10	96	107	101	92
460-323535-41	14F3_2-3	89	106	100	94
460-323535-42	14F3_6-7	88	100	99	87
LCS 460-1031262/3	Lab Control Sample	92	101	94	95
LCS 460-1031355/3	Lab Control Sample	92	100	94	93
LCS 460-1031469/2	Lab Control Sample	92	99	93	93
LCS 460-1031645/3	Lab Control Sample	78	102	91	92
LCSD 460-1031262/4	Lab Control Sample Dup	91	102	96	97
LCSD 460-1031355/4	Lab Control Sample Dup	94	97	95	95
LCSD 460-1031469/3	Lab Control Sample Dup	94	100	93	101

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-138)	(71-128)	(50-150)	(71-126)
LCSD 460-1031645/4	Lab Control Sample Dup	86	102	93	92
MB 460-1031262/7	Method Blank	99	106	102	96
MB 460-1031355/7	Method Blank	99	105	100	95
MB 460-1031469/7	Method Blank	97	103	95	99
MB 460-1031645/7	Method Blank	86	105	94	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-1031262/7
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:57	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/12/25 18:57	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:57	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:57	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/12/25 18:57	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:57	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:57	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/12/25 18:57	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/12/25 18:57	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/12/25 18:57	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/12/25 18:57	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/12/25 18:57	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/12/25 18:57	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/12/25 18:57	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/12/25 18:57	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/12/25 18:57	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:57	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/12/25 18:57	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/12/25 18:57	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/12/25 18:57	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/12/25 18:57	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/12/25 18:57	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/12/25 18:57	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/12/25 18:57	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/12/25 18:57	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/12/25 18:57	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/12/25 18:57	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:57	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/12/25 18:57	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/12/25 18:57	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/12/25 18:57	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/12/25 18:57	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/12/25 18:57	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/12/25 18:57	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/12/25 18:57	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/12/25 18:57	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031262/7
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:57	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/12/25 18:57	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/12/25 18:57	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/12/25 18:57	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/12/25 18:57	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/12/25 18:57	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/12/25 18:57	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/12/25 18:57	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/12/25 18:57	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/12/25 18:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*		*04/12/25 18:57*	*1*
4-Bromofluorobenzene	*106*		*71 - 128*		*04/12/25 18:57*	*1*
Dibromofluoromethane (Surr)	*102*		*50 - 150*		*04/12/25 18:57*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*04/12/25 18:57*	*1*

Lab Sample ID: LCS 460-1031262/3
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0197		mg/Kg		98	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0182		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0194		mg/Kg		97	75 - 121
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	80 - 120
1,1-Dichloroethane	0.0200	0.0186		mg/Kg		93	72 - 120
1,1-Dichloroethene	0.0200	0.0191		mg/Kg		95	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0187		mg/Kg		94	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0189		mg/Kg		95	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0198		mg/Kg		99	80 - 124
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0194		mg/Kg		97	70 - 123
1,2-Dichloropropane	0.0200	0.0186		mg/Kg		93	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	70 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0185		mg/Kg		93	80 - 120
2-Butanone (MEK)	0.100	0.0934		mg/Kg		93	64 - 128
2-Hexanone	0.100	0.0954		mg/Kg		95	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0969		mg/Kg		97	80 - 120
Acetone	0.100	0.0855		mg/Kg		86	58 - 122
Benzene	0.0200	0.0195		mg/Kg		97	75 - 120
Bromoform	0.0200	0.0200		mg/Kg		100	61 - 125
Bromomethane	0.0200	0.0184		mg/Kg		92	37 - 150
Carbon disulfide	0.0200	0.0225		mg/Kg		113	57 - 133
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031262/3
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	0.0200	0.0187		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0202		mg/Kg		101	72 - 120
Chloroethane	0.0200	0.0172		mg/Kg		86	60 - 123
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0193		mg/Kg		96	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0185		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0198		mg/Kg		99	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0180		mg/Kg		90	77 - 124
Dichlorodifluoromethane	0.0200	0.0201		mg/Kg		101	45 - 129
Ethylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0202		mg/Kg		101	74 - 120
Methyl acetate	0.0400	0.0394		mg/Kg		99	57 - 120
Methyl tert-butyl ether	0.0200	0.0182		mg/Kg		91	74 - 125
Methylcyclohexane	0.0200	0.0202		mg/Kg		101	66 - 125
Methylene Chloride	0.0200	0.0185		mg/Kg		93	78 - 120
m-Xylene & p-Xylene	0.0200	0.0197		mg/Kg		98	80 - 120
n-Butylbenzene	0.0200	0.0180		mg/Kg		90	72 - 120
N-Propylbenzene	0.0200	0.0190		mg/Kg		95	68 - 120
o-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0198		mg/Kg		99	78 - 120
Styrene	0.0200	0.0191		mg/Kg		96	80 - 120
tert-Butylbenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Tetrachloroethene	0.0200	0.0210		mg/Kg		105	73 - 120
Toluene	0.0200	0.0192		mg/Kg		96	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0194		mg/Kg		97	77 - 120
Trichloroethene	0.0200	0.0197		mg/Kg		98	80 - 120
Trichlorofluoromethane	0.0200	0.0188		mg/Kg		94	61 - 130
Vinyl chloride	0.0200	0.0189		mg/Kg		95	54 - 122
Xylenes, Total	0.0400	0.0391		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*101*		*71 - 128*
Dibromofluoromethane (Surr)	*94*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: LCSD 460-1031262/4
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0186		mg/Kg		93	78 - 120	5	30
1,1,2,2-Tetrachloroethane	0.0200	0.0174		mg/Kg		87	70 - 133	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0191		mg/Kg		95	75 - 121	2	30
1,1,2-Trichloroethane	0.0200	0.0176		mg/Kg		88	80 - 120	9	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031262/4
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0200	0.0183		mg/Kg		91	72 - 120	2	30
1,1-Dichloroethene	0.0200	0.0194		mg/Kg		97	76 - 120	1	30
1,2,3-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	77 - 137	1	30
1,2,4-Trichlorobenzene	0.0200	0.0178		mg/Kg		89	77 - 136	5	30
1,2,4-Trimethylbenzene	0.0200	0.0184		mg/Kg		92	75 - 120	3	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0172		mg/Kg		86	80 - 124	14	30
1,2-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0189		mg/Kg		95	70 - 123	3	30
1,2-Dichloropropane	0.0200	0.0177		mg/Kg		89	73 - 124	5	30
1,3,5-Trimethylbenzene	0.0200	0.0183		mg/Kg		91	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0179		mg/Kg		89	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0179		mg/Kg		90	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0897		mg/Kg		90	64 - 128	4	30
2-Hexanone	0.100	0.0918		mg/Kg		92	75 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0934		mg/Kg		93	80 - 120	4	30
Acetone	0.100	0.0811		mg/Kg		81	58 - 122	5	30
Benzene	0.0200	0.0189		mg/Kg		95	75 - 120	3	30
Bromoform	0.0200	0.0192		mg/Kg		96	61 - 125	4	30
Bromomethane	0.0200	0.0205		mg/Kg		103	37 - 150	11	30
Carbon disulfide	0.0200	0.0223		mg/Kg		112	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0194		mg/Kg		97	66 - 127	1	30
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120	3	30
Chlorobromomethane	0.0200	0.0181		mg/Kg		91	76 - 127	4	30
Chlorodibromomethane	0.0200	0.0187		mg/Kg		94	72 - 120	8	30
Chloroethane	0.0200	0.0189		mg/Kg		94	60 - 123	9	30
Chloroform	0.0200	0.0183		mg/Kg		92	79 - 126	3	30
Chloromethane	0.0200	0.0214		mg/Kg		107	46 - 122	10	30
cis-1,2-Dichloroethene	0.0200	0.0182		mg/Kg		91	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		94	75 - 120	6	30
Cyclohexane	0.0200	0.0198		mg/Kg		99	65 - 132	4	30
Dichlorobromomethane	0.0200	0.0176		mg/Kg		88	77 - 124	2	30
Dichlorodifluoromethane	0.0200	0.0212		mg/Kg		106	45 - 129	5	30
Ethylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0188		mg/Kg		94	79 - 120	5	30
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	74 - 120	6	30
Methyl acetate	0.0400	0.0371		mg/Kg		93	57 - 120	6	30
Methyl tert-butyl ether	0.0200	0.0173		mg/Kg		87	74 - 125	5	30
Methylcyclohexane	0.0200	0.0196		mg/Kg		98	66 - 125	3	30
Methylene Chloride	0.0200	0.0178		mg/Kg		89	78 - 120	4	30
m-Xylene & p-Xylene	0.0200	0.0184		mg/Kg		92	80 - 120	7	30
n-Butylbenzene	0.0200	0.0178		mg/Kg		89	72 - 120	1	30
N-Propylbenzene	0.0200	0.0183		mg/Kg		91	68 - 120	4	30
o-Xylene	0.0200	0.0185		mg/Kg		92	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0192		mg/Kg		96	78 - 120	3	30
Styrene	0.0200	0.0188		mg/Kg		94	80 - 120	2	30
tert-Butylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120	5	30
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	73 - 120	7	30
Toluene	0.0200	0.0185		mg/Kg		92	80 - 120	4	30
trans-1,2-Dichloroethene	0.0200	0.0186		mg/Kg		93	78 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031262/4
Matrix: Solid
Analysis Batch: 1031262

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene			0.0200	0.0181		mg/Kg		90	77 - 120	7	30
Trichloroethene			0.0200	0.0179		mg/Kg		90	80 - 120	9	30
Trichlorofluoromethane			0.0200	0.0210		mg/Kg		105	61 - 130	11	30
Vinyl chloride			0.0200	0.0202		mg/Kg		101	54 - 122	7	30
Xylenes, Total			0.0400	0.0369		mg/Kg		92	80 - 120	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*96*		*50 - 150*
Toluene-d8 (Surr)	*97*		*71 - 126*

Lab Sample ID: MB 460-1031355/7
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:00	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/13/25 06:00	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:00	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:00	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:00	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/13/25 06:00	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:00	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/13/25 06:00	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/13/25 06:00	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:00	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/13/25 06:00	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/13/25 06:00	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/13/25 06:00	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/13/25 06:00	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:00	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/13/25 06:00	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/13/25 06:00	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/13/25 06:00	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/13/25 06:00	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/13/25 06:00	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/13/25 06:00	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/13/25 06:00	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:00	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/13/25 06:00	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/13/25 06:00	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/13/25 06:00	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/13/25 06:00	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/13/25 06:00	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/13/25 06:00	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/13/25 06:00	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031355/7
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/13/25 06:00	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:00	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/13/25 06:00	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/13/25 06:00	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/13/25 06:00	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/13/25 06:00	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/13/25 06:00	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:00	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/13/25 06:00	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/13/25 06:00	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/13/25 06:00	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/13/25 06:00	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/13/25 06:00	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:00	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/13/25 06:00	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/13/25 06:00	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/13/25 06:00	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/13/25 06:00	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/13/25 06:00	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/13/25 06:00	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/13/25 06:00	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/13/25 06:00	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/13/25 06:00	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/13/25 06:00	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/13/25 06:00	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/13/25 06:00	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/13/25 06:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*65 - 138*		*04/13/25 06:00*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*		*04/13/25 06:00*	*1*
Dibromofluoromethane (Surr)	*100*		*50 - 150*		*04/13/25 06:00*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*04/13/25 06:00*	*1*

Lab Sample ID: LCS 460-1031355/3
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0194		mg/Kg		97	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0183		mg/Kg		91	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0198		mg/Kg		99	75 - 121
1,1,2-Trichloroethane	0.0200	0.0181		mg/Kg		90	80 - 120
1,1-Dichloroethane	0.0200	0.0184		mg/Kg		92	72 - 120
1,1-Dichloroethene	0.0200	0.0195		mg/Kg		98	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0205		mg/Kg		102	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0205		mg/Kg		103	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0199		mg/Kg		99	75 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031355/3
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	80 - 124
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 120
1,2-Dichloroethane	0.0200	0.0187		mg/Kg		93	70 - 123
1,2-Dichloropropane	0.0200	0.0187		mg/Kg		93	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0194		mg/Kg		97	70 - 120
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 120
1,4-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
2-Butanone (MEK)	0.100	0.0943		mg/Kg		94	64 - 128
2-Hexanone	0.100	0.0960		mg/Kg		96	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0962		mg/Kg		96	80 - 120
Acetone	0.100	0.0884		mg/Kg		88	58 - 122
Benzene	0.0200	0.0190		mg/Kg		95	75 - 120
Bromoform	0.0200	0.0201		mg/Kg		100	61 - 125
Bromomethane	0.0200	0.0194		mg/Kg		97	37 - 150
Carbon disulfide	0.0200	0.0230		mg/Kg		115	57 - 133
Carbon tetrachloride	0.0200	0.0202		mg/Kg		101	66 - 127
Chlorobenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Chlorobromomethane	0.0200	0.0195		mg/Kg		98	76 - 127
Chlorodibromomethane	0.0200	0.0189		mg/Kg		95	72 - 120
Chloroethane	0.0200	0.0179		mg/Kg		90	60 - 123
Chloroform	0.0200	0.0188		mg/Kg		94	79 - 126
Chloromethane	0.0200	0.0193		mg/Kg		97	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0187		mg/Kg		94	75 - 120
Cyclohexane	0.0200	0.0206		mg/Kg		103	65 - 132
Dichlorobromomethane	0.0200	0.0181		mg/Kg		91	77 - 124
Dichlorodifluoromethane	0.0200	0.0203		mg/Kg		102	45 - 129
Ethylbenzene	0.0200	0.0191		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0200		mg/Kg		100	79 - 120
Isopropylbenzene	0.0200	0.0198		mg/Kg		99	74 - 120
Methyl acetate	0.0400	0.0368		mg/Kg		92	57 - 120
Methyl tert-butyl ether	0.0200	0.0183		mg/Kg		91	74 - 125
Methylcyclohexane	0.0200	0.0203		mg/Kg		102	66 - 125
Methylene Chloride	0.0200	0.0187		mg/Kg		94	78 - 120
m-Xylene & p-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120
n-Butylbenzene	0.0200	0.0198		mg/Kg		99	72 - 120
N-Propylbenzene	0.0200	0.0193		mg/Kg		96	68 - 120
o-Xylene	0.0200	0.0195		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0201		mg/Kg		101	78 - 120
Styrene	0.0200	0.0195		mg/Kg		98	80 - 120
tert-Butylbenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Tetrachloroethene	0.0200	0.0209		mg/Kg		104	73 - 120
Toluene	0.0200	0.0187		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		95	77 - 120
Trichloroethene	0.0200	0.0189		mg/Kg		94	80 - 120
Trichlorofluoromethane	0.0200	0.0195		mg/Kg		97	61 - 130
Vinyl chloride	0.0200	0.0195		mg/Kg		98	54 - 122
Xylenes, Total	0.0400	0.0390		mg/Kg		98	80 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		65 - 138
4-Bromofluorobenzene	100		71 - 128
Dibromofluoromethane (Surr)	94		50 - 150
Toluene-d8 (Surr)	93		71 - 126

Lab Sample ID: LCSD 460-1031355/4
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0197		mg/Kg		99	78 - 120	1	30
1,1,2,2-Tetrachloroethane			0.0200	0.0182		mg/Kg		91	70 - 133	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0208		mg/Kg		104	75 - 121	5	30
1,1,2-Trichloroethane			0.0200	0.0192		mg/Kg		96	80 - 120	6	30
1,1-Dichloroethane			0.0200	0.0194		mg/Kg		97	72 - 120	6	30
1,1-Dichloroethene			0.0200	0.0197		mg/Kg		98	76 - 120	1	30
1,2,3-Trichlorobenzene			0.0200	0.0214		mg/Kg		107	77 - 137	4	30
1,2,4-Trichlorobenzene			0.0200	0.0210		mg/Kg		105	77 - 136	2	30
1,2,4-Trimethylbenzene			0.0200	0.0202		mg/Kg		101	75 - 120	2	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0188		mg/Kg		94	80 - 124	0	30
1,2-Dichlorobenzene			0.0200	0.0199		mg/Kg		99	80 - 120	3	30
1,2-Dichloroethane			0.0200	0.0195		mg/Kg		98	70 - 123	4	30
1,2-Dichloropropane			0.0200	0.0180		mg/Kg		90	73 - 124	3	30
1,3,5-Trimethylbenzene			0.0200	0.0200		mg/Kg		100	70 - 120	3	30
1,3-Dichlorobenzene			0.0200	0.0194		mg/Kg		97	80 - 120	0	30
1,4-Dichlorobenzene			0.0200	0.0197		mg/Kg		98	80 - 120	2	30
2-Butanone (MEK)			0.100	0.0901		mg/Kg		90	64 - 128	5	30
2-Hexanone			0.100	0.0979		mg/Kg		98	75 - 120	2	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0967		mg/Kg		97	80 - 120	1	30
Acetone			0.100	0.0885		mg/Kg		89	58 - 122	0	30
Benzene			0.0200	0.0198		mg/Kg		99	75 - 120	4	30
Bromoform			0.0200	0.0207		mg/Kg		103	61 - 125	3	30
Bromomethane			0.0200	0.0191		mg/Kg		96	37 - 150	1	30
Carbon disulfide			0.0200	0.0237		mg/Kg		119	57 - 133	3	30
Carbon tetrachloride			0.0200	0.0204		mg/Kg		102	66 - 127	1	30
Chlorobenzene			0.0200	0.0202		mg/Kg		101	80 - 120	5	30
Chlorobromomethane			0.0200	0.0190		mg/Kg		95	76 - 127	3	30
Chlorodibromomethane			0.0200	0.0197		mg/Kg		99	72 - 120	4	30
Chloroethane			0.0200	0.0180		mg/Kg		90	60 - 123	0	30
Chloroform			0.0200	0.0194		mg/Kg		97	79 - 126	3	30
Chloromethane			0.0200	0.0197		mg/Kg		99	46 - 122	2	30
cis-1,2-Dichloroethene			0.0200	0.0191		mg/Kg		96	80 - 123	4	30
cis-1,3-Dichloropropene			0.0200	0.0198		mg/Kg		99	75 - 120	5	30
Cyclohexane			0.0200	0.0212		mg/Kg		106	65 - 132	3	30
Dichlorobromomethane			0.0200	0.0191		mg/Kg		96	77 - 124	5	30
Dichlorodifluoromethane			0.0200	0.0202		mg/Kg		101	45 - 129	1	30
Ethylbenzene			0.0200	0.0201		mg/Kg		100	80 - 120	5	30
Ethylene Dibromide			0.0200	0.0198		mg/Kg		99	79 - 120	1	30
Isopropylbenzene			0.0200	0.0204		mg/Kg		102	74 - 120	3	30
Methyl acetate			0.0400	0.0387		mg/Kg		97	57 - 120	5	30
Methyl tert-butyl ether			0.0200	0.0187		mg/Kg		93	74 - 125	2	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031355/4
Matrix: Solid
Analysis Batch: 1031355

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Methylcyclohexane			0.0200	0.0210		mg/Kg		105	66 - 125	3	30
Methylene Chloride			0.0200	0.0192		mg/Kg		96	78 - 120	3	30
m-Xylene & p-Xylene			0.0200	0.0205		mg/Kg		103	80 - 120	5	30
n-Butylbenzene			0.0200	0.0198		mg/Kg		99	72 - 120	0	30
N-Propylbenzene			0.0200	0.0199		mg/Kg		100	68 - 120	3	30
o-Xylene			0.0200	0.0200		mg/Kg		100	80 - 120	3	30
sec-Butylbenzene			0.0200	0.0207		mg/Kg		104	78 - 120	3	30
Styrene			0.0200	0.0205		mg/Kg		102	80 - 120	5	30
tert-Butylbenzene			0.0200	0.0198		mg/Kg		99	80 - 120	0	30
Tetrachloroethene			0.0200	0.0220		mg/Kg		110	73 - 120	5	30
Toluene			0.0200	0.0198		mg/Kg		99	80 - 120	6	30
trans-1,2-Dichloroethene			0.0200	0.0196		mg/Kg		98	78 - 120	2	30
trans-1,3-Dichloropropene			0.0200	0.0197		mg/Kg		99	77 - 120	4	30
Trichloroethene			0.0200	0.0195		mg/Kg		97	80 - 120	3	30
Trichlorofluoromethane			0.0200	0.0197		mg/Kg		98	61 - 130	1	30
Vinyl chloride			0.0200	0.0195		mg/Kg		97	54 - 122	0	30
Xylenes, Total			0.0400	0.0406		mg/Kg		101	80 - 120	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*97*		*71 - 128*
Dibromofluoromethane (Surr)	*95*		*50 - 150*
Toluene-d8 (Surr)	*95*		*71 - 126*

Lab Sample ID: MB 460-1031469/7
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/14/25 07:46	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/14/25 07:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/14/25 07:46	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/14/25 07:46	1
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/14/25 07:46	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/14/25 07:46	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/14/25 07:46	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/14/25 07:46	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/14/25 07:46	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/14/25 07:46	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/14/25 07:46	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/14/25 07:46	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/14/25 07:46	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/14/25 07:46	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/14/25 07:46	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/14/25 07:46	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/14/25 07:46	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/14/25 07:46	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/14/25 07:46	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031469/7
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/14/25 07:46	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/14/25 07:46	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/14/25 07:46	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/14/25 07:46	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/14/25 07:46	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/14/25 07:46	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/14/25 07:46	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/14/25 07:46	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/14/25 07:46	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/14/25 07:46	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/14/25 07:46	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/14/25 07:46	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/14/25 07:46	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/14/25 07:46	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/14/25 07:46	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/14/25 07:46	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/14/25 07:46	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/14/25 07:46	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/14/25 07:46	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/14/25 07:46	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/14/25 07:46	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/14/25 07:46	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/14/25 07:46	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/14/25 07:46	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/14/25 07:46	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/14/25 07:46	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/14/25 07:46	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/14/25 07:46	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/14/25 07:46	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/14/25 07:46	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/14/25 07:46	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/14/25 07:46	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/14/25 07:46	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/14/25 07:46	1
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/14/25 07:46	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/14/25 07:46	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/14/25 07:46	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/14/25 07:46	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/14/25 07:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*65 - 138*		*04/14/25 07:46*	*1*
4-Bromofluorobenzene	*103*		*71 - 128*		*04/14/25 07:46*	*1*
Dibromofluoromethane (Surr)	*95*		*50 - 150*		*04/14/25 07:46*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*04/14/25 07:46*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031469/2
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0195		mg/Kg		97	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0208		mg/Kg		104	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		102	75 - 121
1,1,2-Trichloroethane	0.0200	0.0202		mg/Kg		101	80 - 120
1,1-Dichloroethane	0.0200	0.0206		mg/Kg		103	72 - 120
1,1-Dichloroethene	0.0200	0.0203		mg/Kg		102	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		106	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0223		mg/Kg		111	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0185		mg/Kg		92	80 - 124
1,2-Dichlorobenzene	0.0200	0.0208		mg/Kg		104	80 - 120
1,2-Dichloroethane	0.0200	0.0198		mg/Kg		99	70 - 123
1,2-Dichloropropane	0.0200	0.0207		mg/Kg		104	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0222		mg/Kg		111	70 - 120
1,3-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
1,4-Dichlorobenzene	0.0200	0.0203		mg/Kg		102	80 - 120
2-Butanone (MEK)	0.100	0.0908		mg/Kg		91	64 - 128
2-Hexanone	0.100	0.102		mg/Kg		102	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.102		mg/Kg		102	80 - 120
Acetone	0.100	0.0854		mg/Kg		85	58 - 122
Benzene	0.0200	0.0214		mg/Kg		107	75 - 120
Bromoform	0.0200	0.0185		mg/Kg		93	61 - 125
Bromomethane	0.0200	0.0187		mg/Kg		93	37 - 150
Carbon disulfide	0.0200	0.0250		mg/Kg		125	57 - 133
Carbon tetrachloride	0.0200	0.0192		mg/Kg		96	66 - 127
Chlorobenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0189		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0188		mg/Kg		94	72 - 120
Chloroethane	0.0200	0.0186		mg/Kg		93	60 - 123
Chloroform	0.0200	0.0196		mg/Kg		98	79 - 126
Chloromethane	0.0200	0.0204		mg/Kg		102	46 - 122
cis-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0213		mg/Kg		107	75 - 120
Cyclohexane	0.0200	0.0219		mg/Kg		109	65 - 132
Dichlorobromomethane	0.0200	0.0187		mg/Kg		93	77 - 124
Dichlorodifluoromethane	0.0200	0.0192		mg/Kg		96	45 - 129
Ethylbenzene	0.0200	0.0203		mg/Kg		101	80 - 120
Ethylene Dibromide	0.0200	0.0198		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0211		mg/Kg		105	74 - 120
Methyl acetate	0.0400	0.0433		mg/Kg		108	57 - 120
Methyl tert-butyl ether	0.0200	0.0195		mg/Kg		97	74 - 125
Methylcyclohexane	0.0200	0.0221		mg/Kg		110	66 - 125
Methylene Chloride	0.0200	0.0205		mg/Kg		103	78 - 120
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120
n-Butylbenzene	0.0200	0.0224		mg/Kg		112	72 - 120
N-Propylbenzene	0.0200	0.0214		mg/Kg		107	68 - 120
o-Xylene	0.0200	0.0196		mg/Kg		98	80 - 120
sec-Butylbenzene	0.0200	0.0228		mg/Kg		114	78 - 120

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031469/2
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Styrene	0.0200	0.0208		mg/Kg		104	80 - 120
tert-Butylbenzene	0.0200	0.0199		mg/Kg		100	80 - 120
Tetrachloroethene	0.0200	0.0195		mg/Kg		98	73 - 120
Toluene	0.0200	0.0208		mg/Kg		104	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0201		mg/Kg		100	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0206		mg/Kg		103	77 - 120
Trichloroethene	0.0200	0.0199		mg/Kg		100	80 - 120
Trichlorofluoromethane	0.0200	0.0184		mg/Kg		92	61 - 130
Vinyl chloride	0.0200	0.0201		mg/Kg		100	54 - 122
Xylenes, Total	0.0400	0.0392		mg/Kg		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*65 - 138*
4-Bromofluorobenzene	*99*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*93*		*71 - 126*

Lab Sample ID: LCSD 460-1031469/3
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0203		mg/Kg		101	78 - 120	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0210		mg/Kg		105	70 - 133	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0219		mg/Kg		109	75 - 121	7	30
1,1,2-Trichloroethane	0.0200	0.0206		mg/Kg		103	80 - 120	2	30
1,1-Dichloroethane	0.0200	0.0212		mg/Kg		106	72 - 120	3	30
1,1-Dichloroethene	0.0200	0.0202		mg/Kg		101	76 - 120	0	30
1,2,3-Trichlorobenzene	0.0200	0.0202		mg/Kg		101	77 - 137	4	30
1,2,4-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	77 - 136	9	30
1,2,4-Trimethylbenzene	0.0200	0.0219		mg/Kg		110	75 - 120	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0193		mg/Kg		97	80 - 124	5	30
1,2-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	2	30
1,2-Dichloroethane	0.0200	0.0201		mg/Kg		100	70 - 123	1	30
1,2-Dichloropropane	0.0200	0.0209		mg/Kg		104	73 - 124	1	30
1,3,5-Trimethylbenzene	0.0200	0.0215		mg/Kg		108	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 120	2	30
1,4-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	80 - 120	4	30
2-Butanone (MEK)	0.100	0.0889		mg/Kg		89	64 - 128	2	30
2-Hexanone	0.100	0.101		mg/Kg		101	75 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.100		mg/Kg		100	80 - 120	1	30
Acetone	0.100	0.0865		mg/Kg		87	58 - 122	1	30
Benzene	0.0200	0.0216		mg/Kg		108	75 - 120	1	30
Bromoform	0.0200	0.0196		mg/Kg		98	61 - 125	6	30
Bromomethane	0.0200	0.0194		mg/Kg		97	37 - 150	4	30
Carbon disulfide	0.0200	0.0252		mg/Kg		126	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0196		mg/Kg		98	66 - 127	2	30
Chlorobenzene	0.0200	0.0204		mg/Kg		102	80 - 120	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031469/3
Matrix: Solid
Analysis Batch: 1031469

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chlorobromomethane	0.0200	0.0187		mg/Kg		94	76 - 127	1	30
Chlorodibromomethane	0.0200	0.0193		mg/Kg		96	72 - 120	2	30
Chloroethane	0.0200	0.0182		mg/Kg		91	60 - 123	2	30
Chloroform	0.0200	0.0198		mg/Kg		99	79 - 126	1	30
Chloromethane	0.0200	0.0217		mg/Kg		109	46 - 122	6	30
cis-1,2-Dichloroethene	0.0200	0.0202		mg/Kg		101	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0215		mg/Kg		108	75 - 120	1	30
Cyclohexane	0.0200	0.0224		mg/Kg		112	65 - 132	3	30
Dichlorobromomethane	0.0200	0.0195		mg/Kg		97	77 - 124	4	30
Dichlorodifluoromethane	0.0200	0.0207		mg/Kg		103	45 - 129	7	30
Ethylbenzene	0.0200	0.0209		mg/Kg		105	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0206		mg/Kg		103	79 - 120	4	30
Isopropylbenzene	0.0200	0.0211		mg/Kg		106	74 - 120	0	30
Methyl acetate	0.0400	0.0482	*	mg/Kg		121	57 - 120	11	30
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		98	74 - 125	1	30
Methylcyclohexane	0.0200	0.0221		mg/Kg		110	66 - 125	0	30
Methylene Chloride	0.0200	0.0205		mg/Kg		102	78 - 120	0	30
m-Xylene & p-Xylene	0.0200	0.0212		mg/Kg		106	80 - 120	8	30
n-Butylbenzene	0.0200	0.0223		mg/Kg		112	72 - 120	0	30
N-Propylbenzene	0.0200	0.0213		mg/Kg		107	68 - 120	0	30
o-Xylene	0.0200	0.0207		mg/Kg		103	80 - 120	5	30
sec-Butylbenzene	0.0200	0.0221		mg/Kg		111	78 - 120	3	30
Styrene	0.0200	0.0210		mg/Kg		105	80 - 120	1	30
tert-Butylbenzene	0.0200	0.0212		mg/Kg		106	80 - 120	6	30
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	73 - 120	5	30
Toluene	0.0200	0.0208		mg/Kg		104	80 - 120	0	30
trans-1,2-Dichloroethene	0.0200	0.0207		mg/Kg		103	78 - 120	3	30
trans-1,3-Dichloropropene	0.0200	0.0211		mg/Kg		106	77 - 120	3	30
Trichloroethene	0.0200	0.0201		mg/Kg		101	80 - 120	1	30
Trichlorofluoromethane	0.0200	0.0193		mg/Kg		97	61 - 130	5	30
Vinyl chloride	0.0200	0.0217		mg/Kg		108	54 - 122	8	30
Xylenes, Total	0.0400	0.0419		mg/Kg		105	80 - 120	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*65 - 138*
4-Bromofluorobenzene	*100*		*71 - 128*
Dibromofluoromethane (Surr)	*93*		*50 - 150*
Toluene-d8 (Surr)	*101*		*71 - 126*

Lab Sample ID: MB 460-1031645/7
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.0010	U	0.0010	0.00023	mg/Kg			04/15/25 08:13	1
1,1,2,2-Tetrachloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/15/25 08:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/15/25 08:13	1
1,1,2-Trichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/15/25 08:13	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031645/7
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.0010	U	0.0010	0.00060	mg/Kg			04/15/25 08:13	1
1,1-Dichloroethene	0.0010	U	0.0010	0.00023	mg/Kg			04/15/25 08:13	1
1,2,3-Trichlorobenzene	0.0010	U	0.0010	0.00074	mg/Kg			04/15/25 08:13	1
1,2,4-Trichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/15/25 08:13	1
1,2,4-Trimethylbenzene	0.0010	U	0.0010	0.00025	mg/Kg			04/15/25 08:13	1
1,2-Dibromo-3-Chloropropane	0.0010	U	0.0010	0.00046	mg/Kg			04/15/25 08:13	1
1,2-Dichlorobenzene	0.0010	U	0.0010	0.00036	mg/Kg			04/15/25 08:13	1
1,2-Dichloroethane	0.0010	U	0.0010	0.00030	mg/Kg			04/15/25 08:13	1
1,2-Dichloropropane	0.0010	U	0.0010	0.00042	mg/Kg			04/15/25 08:13	1
1,3,5-Trimethylbenzene	0.0010	U	0.0010	0.00031	mg/Kg			04/15/25 08:13	1
1,3-Dichlorobenzene	0.0010	U	0.0010	0.00037	mg/Kg			04/15/25 08:13	1
1,4-Dichlorobenzene	0.0010	U	0.0010	0.00052	mg/Kg			04/15/25 08:13	1
2-Butanone (MEK)	0.0050	U	0.0050	0.00037	mg/Kg			04/15/25 08:13	1
2-Hexanone	0.0050	U	0.0050	0.0017	mg/Kg			04/15/25 08:13	1
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.0050	0.0016	mg/Kg			04/15/25 08:13	1
Acetone	0.0060	U	0.0060	0.0057	mg/Kg			04/15/25 08:13	1
Benzene	0.0010	U	0.0010	0.00057	mg/Kg			04/15/25 08:13	1
Bromoform	0.0010	U	0.0010	0.00043	mg/Kg			04/15/25 08:13	1
Bromomethane	0.0020	U	0.0020	0.0010	mg/Kg			04/15/25 08:13	1
Carbon disulfide	0.0010	U	0.0010	0.00027	mg/Kg			04/15/25 08:13	1
Carbon tetrachloride	0.0010	U	0.0010	0.00039	mg/Kg			04/15/25 08:13	1
Chlorobenzene	0.0010	U	0.0010	0.00051	mg/Kg			04/15/25 08:13	1
Chlorobromomethane	0.0010	U	0.0010	0.00060	mg/Kg			04/15/25 08:13	1
Chlorodibromomethane	0.0010	U	0.0010	0.00054	mg/Kg			04/15/25 08:13	1
Chloroethane	0.0010	U	0.0010	0.00052	mg/Kg			04/15/25 08:13	1
Chloroform	0.0010	U	0.0010	0.00097	mg/Kg			04/15/25 08:13	1
Chloromethane	0.0010	U	0.0010	0.00044	mg/Kg			04/15/25 08:13	1
cis-1,2-Dichloroethene	0.0010	U	0.0010	0.00036	mg/Kg			04/15/25 08:13	1
cis-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/15/25 08:13	1
Cyclohexane	0.0010	U	0.0010	0.00022	mg/Kg			04/15/25 08:13	1
Dichlorobromomethane	0.0010	U	0.0010	0.00026	mg/Kg			04/15/25 08:13	1
Dichlorodifluoromethane	0.0010	U	0.0010	0.00034	mg/Kg			04/15/25 08:13	1
Ethylbenzene	0.0010	U	0.0010	0.00047	mg/Kg			04/15/25 08:13	1
Ethylene Dibromide	0.0010	U	0.0010	0.00050	mg/Kg			04/15/25 08:13	1
Isopropylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/15/25 08:13	1
Methyl acetate	0.0050	U	0.0050	0.0043	mg/Kg			04/15/25 08:13	1
Methyl tert-butyl ether	0.0010	U	0.0010	0.00051	mg/Kg			04/15/25 08:13	1
Methylcyclohexane	0.0010	U	0.0010	0.00050	mg/Kg			04/15/25 08:13	1
Methylene Chloride	0.0020	U	0.0020	0.0011	mg/Kg			04/15/25 08:13	1
m-Xylene & p-Xylene	0.0010	U	0.0010	0.00042	mg/Kg			04/15/25 08:13	1
n-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/15/25 08:13	1
N-Propylbenzene	0.0010	U	0.0010	0.00045	mg/Kg			04/15/25 08:13	1
o-Xylene	0.0010	U	0.0010	0.00046	mg/Kg			04/15/25 08:13	1
sec-Butylbenzene	0.0010	U	0.0010	0.00029	mg/Kg			04/15/25 08:13	1
Styrene	0.0010	U	0.0010	0.00028	mg/Kg			04/15/25 08:13	1
tert-Butylbenzene	0.0010	U	0.0010	0.00028	mg/Kg			04/15/25 08:13	1
Tetrachloroethene	0.0010	U	0.0010	0.00031	mg/Kg			04/15/25 08:13	1
Toluene	0.0010	U	0.0010	0.00023	mg/Kg			04/15/25 08:13	1
trans-1,2-Dichloroethene	0.0010	U	0.0010	0.00025	mg/Kg			04/15/25 08:13	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-1031645/7
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.0010	U	0.0010	0.00027	mg/Kg			04/15/25 08:13	1
Trichloroethene	0.0010	U	0.0010	0.00032	mg/Kg			04/15/25 08:13	1
Trichlorofluoromethane	0.0010	U	0.0010	0.00041	mg/Kg			04/15/25 08:13	1
Vinyl chloride	0.0010	U	0.0010	0.00055	mg/Kg			04/15/25 08:13	1
Xylenes, Total	0.0020	U	0.0020	0.00017	mg/Kg			04/15/25 08:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*65 - 138*		*04/15/25 08:13*	*1*
4-Bromofluorobenzene	*105*		*71 - 128*		*04/15/25 08:13*	*1*
Dibromofluoromethane (Surr)	*94*		*50 - 150*		*04/15/25 08:13*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*04/15/25 08:13*	*1*

Lab Sample ID: LCS 460-1031645/3
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0200	0.0184		mg/Kg		92	78 - 120
1,1,2,2-Tetrachloroethane	0.0200	0.0176		mg/Kg		88	70 - 133
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0196		mg/Kg		98	75 - 121
1,1,2-Trichloroethane	0.0200	0.0174		mg/Kg		87	80 - 120
1,1-Dichloroethane	0.0200	0.0168		mg/Kg		84	72 - 120
1,1-Dichloroethene	0.0200	0.0190		mg/Kg		95	76 - 120
1,2,3-Trichlorobenzene	0.0200	0.0216		mg/Kg		108	77 - 137
1,2,4-Trichlorobenzene	0.0200	0.0216		mg/Kg		108	77 - 136
1,2,4-Trimethylbenzene	0.0200	0.0196		mg/Kg		98	75 - 120
1,2-Dibromo-3-Chloropropane	0.0200	0.0197		mg/Kg		99	80 - 124
1,2-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0170		mg/Kg		85	70 - 123
1,2-Dichloropropane	0.0200	0.0159		mg/Kg		79	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0193		mg/Kg		97	70 - 120
1,3-Dichlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
1,4-Dichlorobenzene	0.0200	0.0192		mg/Kg		96	80 - 120
2-Butanone (MEK)	0.100	0.107		mg/Kg		107	64 - 128
2-Hexanone	0.100	0.0973		mg/Kg		97	75 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0981		mg/Kg		98	80 - 120
Acetone	0.100	0.0872		mg/Kg		87	58 - 122
Benzene	0.0200	0.0184		mg/Kg		92	75 - 120
Bromoform	0.0200	0.0201		mg/Kg		100	61 - 125
Bromomethane	0.0200	0.0199		mg/Kg		99	37 - 150
Carbon disulfide	0.0200	0.0216		mg/Kg		108	57 - 133
Carbon tetrachloride	0.0200	0.0186		mg/Kg		93	66 - 127
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0188		mg/Kg		94	76 - 127
Chlorodibromomethane	0.0200	0.0178		mg/Kg		89	72 - 120
Chloroethane	0.0200	0.0195		mg/Kg		97	60 - 123
Chloroform	0.0200	0.0177		mg/Kg		89	79 - 126
Chloromethane	0.0200	0.0176		mg/Kg		88	46 - 122

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-1031645/3
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0178		mg/Kg		89	75 - 120
Cyclohexane	0.0200	0.0202		mg/Kg		101	65 - 132
Dichlorobromomethane	0.0200	0.0173		mg/Kg		87	77 - 124
Dichlorodifluoromethane	0.0200	0.0203		mg/Kg		101	45 - 129
Ethylbenzene	0.0200	0.0189		mg/Kg		95	80 - 120
Ethylene Dibromide	0.0200	0.0197		mg/Kg		99	79 - 120
Isopropylbenzene	0.0200	0.0197		mg/Kg		99	74 - 120
Methyl acetate	0.0400	0.0345		mg/Kg		86	57 - 120
Methyl tert-butyl ether	0.0200	0.0173		mg/Kg		86	74 - 125
Methylcyclohexane	0.0200	0.0197		mg/Kg		99	66 - 125
Methylene Chloride	0.0200	0.0182		mg/Kg		91	78 - 120
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		98	80 - 120
n-Butylbenzene	0.0200	0.0196		mg/Kg		98	72 - 120
N-Propylbenzene	0.0200	0.0193		mg/Kg		96	68 - 120
o-Xylene	0.0200	0.0194		mg/Kg		97	80 - 120
sec-Butylbenzene	0.0200	0.0199		mg/Kg		99	78 - 120
Styrene	0.0200	0.0194		mg/Kg		97	80 - 120
tert-Butylbenzene	0.0200	0.0192		mg/Kg		96	80 - 120
Tetrachloroethene	0.0200	0.0207		mg/Kg		103	73 - 120
Toluene	0.0200	0.0186		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	78 - 120
trans-1,3-Dichloropropene	0.0200	0.0179		mg/Kg		89	77 - 120
Trichloroethene	0.0200	0.0182		mg/Kg		91	80 - 120
Trichlorofluoromethane	0.0200	0.0201		mg/Kg		101	61 - 130
Vinyl chloride	0.0200	0.0191		mg/Kg		95	54 - 122
Xylenes, Total	0.0400	0.0389		mg/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*78*		*65 - 138*
4-Bromofluorobenzene	*102*		*71 - 128*
Dibromofluoromethane (Surr)	*91*		*50 - 150*
Toluene-d8 (Surr)	*92*		*71 - 126*

Lab Sample ID: LCSD 460-1031645/4
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0176		mg/Kg		88	78 - 120	5	30
1,1,2,2-Tetrachloroethane	0.0200	0.0169		mg/Kg		85	70 - 133	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0190		mg/Kg		95	75 - 121	3	30
1,1,2-Trichloroethane	0.0200	0.0167		mg/Kg		83	80 - 120	4	30
1,1-Dichloroethane	0.0200	0.0166		mg/Kg		83	72 - 120	1	30
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		92	76 - 120	3	30
1,2,3-Trichlorobenzene	0.0200	0.0204		mg/Kg		102	77 - 137	5	30
1,2,4-Trichlorobenzene	0.0200	0.0203		mg/Kg		101	77 - 136	6	30
1,2,4-Trimethylbenzene	0.0200	0.0189		mg/Kg		95	75 - 120	3	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-1031645/4
Matrix: Solid
Analysis Batch: 1031645

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dibromo-3-Chloropropane	0.0200	0.0195		mg/Kg		97	80 - 124	1	30
1,2-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	3	30
1,2-Dichloroethane	0.0200	0.0164		mg/Kg		82	70 - 123	3	30
1,2-Dichloropropane	0.0200	0.0160		mg/Kg		80	73 - 124	1	30
1,3,5-Trimethylbenzene	0.0200	0.0188		mg/Kg		94	70 - 120	3	30
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	4	30
1,4-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	3	30
2-Butanone (MEK)	0.100	0.0994		mg/Kg		99	64 - 128	7	30
2-Hexanone	0.100	0.0919		mg/Kg		92	75 - 120	6	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 120	7	30
Acetone	0.100	0.0839		mg/Kg		84	58 - 122	4	30
Benzene	0.0200	0.0178		mg/Kg		89	75 - 120	3	30
Bromoform	0.0200	0.0194		mg/Kg		97	61 - 125	4	30
Bromomethane	0.0200	0.0188		mg/Kg		94	37 - 150	6	30
Carbon disulfide	0.0200	0.0213		mg/Kg		107	57 - 133	1	30
Carbon tetrachloride	0.0200	0.0183		mg/Kg		91	66 - 127	2	30
Chlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 120	3	30
Chlorobromomethane	0.0200	0.0180		mg/Kg		90	76 - 127	5	30
Chlorodibromomethane	0.0200	0.0181		mg/Kg		91	72 - 120	2	30
Chloroethane	0.0200	0.0169		mg/Kg		84	60 - 123	14	30
Chloroform	0.0200	0.0173		mg/Kg		86	79 - 126	2	30
Chloromethane	0.0200	0.0160		mg/Kg		80	46 - 122	9	30
cis-1,2-Dichloroethene	0.0200	0.0179		mg/Kg		90	80 - 123	2	30
cis-1,3-Dichloropropene	0.0200	0.0170		mg/Kg		85	75 - 120	5	30
Cyclohexane	0.0200	0.0193		mg/Kg		97	65 - 132	4	30
Dichlorobromomethane	0.0200	0.0169		mg/Kg		84	77 - 124	3	30
Dichlorodifluoromethane	0.0200	0.0175		mg/Kg		88	45 - 129	14	30
Ethylbenzene	0.0200	0.0177		mg/Kg		89	80 - 120	7	30
Ethylene Dibromide	0.0200	0.0182		mg/Kg		91	79 - 120	8	30
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	74 - 120	4	30
Methyl acetate	0.0400	0.0332		mg/Kg		83	57 - 120	4	30
Methyl tert-butyl ether	0.0200	0.0170		mg/Kg		85	74 - 125	1	30
Methylcyclohexane	0.0200	0.0191		mg/Kg		96	66 - 125	3	30
Methylene Chloride	0.0200	0.0177		mg/Kg		89	78 - 120	3	30
m-Xylene & p-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120	7	30
n-Butylbenzene	0.0200	0.0186		mg/Kg		93	72 - 120	5	30
N-Propylbenzene	0.0200	0.0190		mg/Kg		95	68 - 120	1	30
o-Xylene	0.0200	0.0182		mg/Kg		91	80 - 120	6	30
sec-Butylbenzene	0.0200	0.0196		mg/Kg		98	78 - 120	1	30
Styrene	0.0200	0.0190		mg/Kg		95	80 - 120	2	30
tert-Butylbenzene	0.0200	0.0184		mg/Kg		92	80 - 120	4	30
Tetrachloroethene	0.0200	0.0202		mg/Kg		101	73 - 120	3	30
Toluene	0.0200	0.0177		mg/Kg		89	80 - 120	5	30
trans-1,2-Dichloroethene	0.0200	0.0189		mg/Kg		94	78 - 120	2	30
trans-1,3-Dichloropropene	0.0200	0.0171		mg/Kg		85	77 - 120	4	30
Trichloroethene	0.0200	0.0181		mg/Kg		90	80 - 120	1	30
Trichlorofluoromethane	0.0200	0.0180		mg/Kg		90	61 - 130	11	30
Vinyl chloride	0.0200	0.0168		mg/Kg		84	54 - 122	13	30
Xylenes, Total	0.0400	0.0364		mg/Kg		91	80 - 120	7	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		65 - 138
4-Bromofluorobenzene	102		71 - 128
Dibromofluoromethane (Surr)	93		50 - 150
Toluene-d8 (Surr)	92		71 - 126

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323535-5 DU — **Client Sample ID: 14A2_7-8**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1030152

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	5.6			7.8	*	%				32	20
Percent Solids	94.4			92.2		%				2	20

Lab Sample ID: 460-323535-28 DU — **Client Sample ID: 14D3_17-18**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1030152

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	10.1			9.8		%				2	20
Percent Solids	89.9			90.2		%				0.2	20

Lab Sample ID: 460-323535-33 DU — **Client Sample ID: 14E2_9-10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1030152

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	4.0			9.5	*	%				82	20
Percent Solids	96.0			90.5		%				6	20

Lab Sample ID: 460-323535-35 DU — **Client Sample ID: 14E3_15-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 1030152

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	4.5			8.4	*	%				60	20
Percent Solids	95.5			91.6		%				4	20

GC/MS VOA

Prep Batch: 1030052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-25	14D2_4-5	Total/NA	Solid	5035	
460-323535-26	14D2_15-16	Total/NA	Solid	5035	
460-323535-27	14D3_13-14	Total/NA	Solid	5035	
460-323535-28	14D3_17-18	Total/NA	Solid	5035	
460-323535-29	14E1_5-6	Total/NA	Solid	5035	
460-323535-30	14E1_12-13	Total/NA	Solid	5035	
460-323535-31	14E1_16-17	Total/NA	Solid	5035	
460-323535-32	14E2_3-4	Total/NA	Solid	5035	
460-323535-33	14E2_9-10	Total/NA	Solid	5035	
460-323535-34	14E3_12-13	Total/NA	Solid	5035	
460-323535-35	14E3_15-16	Total/NA	Solid	5035	
460-323535-36	14F1_3-4	Total/NA	Solid	5035	
460-323535-37	14F1_7-8	Total/NA	Solid	5035	
460-323535-38	14F2_1-2	Total/NA	Solid	5035	
460-323535-39	14F2_5-6	Total/NA	Solid	5035	
460-323535-40	14F2_9-10	Total/NA	Solid	5035	
460-323535-41	14F3_2-3	Total/NA	Solid	5035	
460-323535-42	14F3_6-7	Total/NA	Solid	5035	

Prep Batch: 1030193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-1	14A1_1-2	Total/NA	Solid	5035	
460-323535-2	14A1_3-4	Total/NA	Solid	5035	
460-323535-3	14A1_7-8	Total/NA	Solid	5035	
460-323535-4	14A2_3-4	Total/NA	Solid	5035	
460-323535-5	14A2_7-8	Total/NA	Solid	5035	
460-323535-6	14A3_2-3	Total/NA	Solid	5035	
460-323535-7	14A3_5-6	Total/NA	Solid	5035	
460-323535-8	14B1_0-1	Total/NA	Solid	5035	
460-323535-9	14B1_3-4	Total/NA	Solid	5035	
460-323535-10	14B2_2-3	Total/NA	Solid	5035	
460-323535-11	14B2_7-8	Total/NA	Solid	5035	
460-323535-12	14B3_1-2	Total/NA	Solid	5035	
460-323535-13	14B3_5-6	Total/NA	Solid	5035	
460-323535-14	14B3_9-10	Total/NA	Solid	5035	
460-323535-15	14C1_2-3	Total/NA	Solid	5035	
460-323535-16	14C1_10-11	Total/NA	Solid	5035	
460-323535-17	14C1_9-10	Total/NA	Solid	5035	
460-323535-18	14C2_1-2	Total/NA	Solid	5035	
460-323535-19	14C2_11-12	Total/NA	Solid	5035	
460-323535-20	14C3_3-4	Total/NA	Solid	5035	
460-323535-21	14C3_7-8	Total/NA	Solid	5035	
460-323535-22	14D1_0-1	Total/NA	Solid	5035	
460-323535-23	14D1_6-7	Total/NA	Solid	5035	
460-323535-24	14D1_11-12	Total/NA	Solid	5035	

Analysis Batch: 1031262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-1	14A1_1-2	Total/NA	Solid	8260D	1030193
460-323535-2	14A1_3-4	Total/NA	Solid	8260D	1030193
460-323535-3	14A1_7-8	Total/NA	Solid	8260D	1030193

GC/MS VOA (Continued)

Analysis Batch: 1031262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-4	14A2_3-4	Total/NA	Solid	8260D	1030193
460-323535-5	14A2_7-8	Total/NA	Solid	8260D	1030193
460-323535-6	14A3_2-3	Total/NA	Solid	8260D	1030193
460-323535-7	14A3_5-6	Total/NA	Solid	8260D	1030193
460-323535-8	14B1_0-1	Total/NA	Solid	8260D	1030193
460-323535-9	14B1_3-4	Total/NA	Solid	8260D	1030193
460-323535-10	14B2_2-3	Total/NA	Solid	8260D	1030193
460-323535-11	14B2_7-8	Total/NA	Solid	8260D	1030193
460-323535-12	14B3_1-2	Total/NA	Solid	8260D	1030193
460-323535-13	14B3_5-6	Total/NA	Solid	8260D	1030193
460-323535-15	14C1_2-3	Total/NA	Solid	8260D	1030193
460-323535-16	14C1_10-11	Total/NA	Solid	8260D	1030193
460-323535-17	14C1_9-10	Total/NA	Solid	8260D	1030193
460-323535-18	14C2_1-2	Total/NA	Solid	8260D	1030193
MB 460-1031262/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031262/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031262/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-14	14B3_9-10	Total/NA	Solid	8260D	1030193
460-323535-19	14C2_11-12	Total/NA	Solid	8260D	1030193
460-323535-20	14C3_3-4	Total/NA	Solid	8260D	1030193
460-323535-21	14C3_7-8	Total/NA	Solid	8260D	1030193
460-323535-22	14D1_0-1	Total/NA	Solid	8260D	1030193
460-323535-24	14D1_11-12	Total/NA	Solid	8260D	1030193
460-323535-25	14D2_4-5	Total/NA	Solid	8260D	1030052
460-323535-26	14D2_15-16	Total/NA	Solid	8260D	1030052
460-323535-27	14D3_13-14	Total/NA	Solid	8260D	1030052
460-323535-28	14D3_17-18	Total/NA	Solid	8260D	1030052
460-323535-29	14E1_5-6	Total/NA	Solid	8260D	1030052
460-323535-30	14E1_12-13	Total/NA	Solid	8260D	1030052
460-323535-31	14E1_16-17	Total/NA	Solid	8260D	1030052
460-323535-32	14E2_3-4	Total/NA	Solid	8260D	1030052
460-323535-34	14E3_12-13	Total/NA	Solid	8260D	1030052
460-323535-36	14F1_3-4	Total/NA	Solid	8260D	1030052
460-323535-37	14F1_7-8	Total/NA	Solid	8260D	1030052
MB 460-1031355/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031355/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031355/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 1031469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-23	14D1_6-7	Total/NA	Solid	8260D	1030193
460-323535-33	14E2_9-10	Total/NA	Solid	8260D	1030052
460-323535-35	14E3_15-16	Total/NA	Solid	8260D	1030052
MB 460-1031469/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031469/2	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031469/3	Lab Control Sample Dup	Total/NA	Solid	8260D	

GC/MS VOA

Analysis Batch: 1031645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-38	14F2_1-2	Total/NA	Solid	8260D	1030052
460-323535-39	14F2_5-6	Total/NA	Solid	8260D	1030052
460-323535-40	14F2_9-10	Total/NA	Solid	8260D	1030052
460-323535-41	14F3_2-3	Total/NA	Solid	8260D	1030052
460-323535-42	14F3_6-7	Total/NA	Solid	8260D	1030052
MB 460-1031645/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-1031645/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-1031645/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 1030152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-1	14A1_1-2	Total/NA	Solid	Moisture	
460-323535-2	14A1_3-4	Total/NA	Solid	Moisture	
460-323535-3	14A1_7-8	Total/NA	Solid	Moisture	
460-323535-4	14A2_3-4	Total/NA	Solid	Moisture	
460-323535-5	14A2_7-8	Total/NA	Solid	Moisture	
460-323535-6	14A3_2-3	Total/NA	Solid	Moisture	
460-323535-7	14A3_5-6	Total/NA	Solid	Moisture	
460-323535-8	14B1_0-1	Total/NA	Solid	Moisture	
460-323535-9	14B1_3-4	Total/NA	Solid	Moisture	
460-323535-10	14B2_2-3	Total/NA	Solid	Moisture	
460-323535-11	14B2_7-8	Total/NA	Solid	Moisture	
460-323535-12	14B3_1-2	Total/NA	Solid	Moisture	
460-323535-13	14B3_5-6	Total/NA	Solid	Moisture	
460-323535-14	14B3_9-10	Total/NA	Solid	Moisture	
460-323535-15	14C1_2-3	Total/NA	Solid	Moisture	
460-323535-16	14C1_10-11	Total/NA	Solid	Moisture	
460-323535-17	14C1_9-10	Total/NA	Solid	Moisture	
460-323535-18	14C2_1-2	Total/NA	Solid	Moisture	
460-323535-19	14C2_11-12	Total/NA	Solid	Moisture	
460-323535-20	14C3_3-4	Total/NA	Solid	Moisture	
460-323535-21	14C3_7-8	Total/NA	Solid	Moisture	
460-323535-22	14D1_0-1	Total/NA	Solid	Moisture	
460-323535-23	14D1_6-7	Total/NA	Solid	Moisture	
460-323535-24	14D1_11-12	Total/NA	Solid	Moisture	
460-323535-25	14D2_4-5	Total/NA	Solid	Moisture	
460-323535-26	14D2_15-16	Total/NA	Solid	Moisture	
460-323535-27	14D3_13-14	Total/NA	Solid	Moisture	
460-323535-28	14D3_17-18	Total/NA	Solid	Moisture	
460-323535-29	14E1_5-6	Total/NA	Solid	Moisture	
460-323535-30	14E1_12-13	Total/NA	Solid	Moisture	
460-323535-31	14E1_16-17	Total/NA	Solid	Moisture	
460-323535-32	14E2_3-4	Total/NA	Solid	Moisture	
460-323535-33	14E2_9-10	Total/NA	Solid	Moisture	
460-323535-34	14E3_12-13	Total/NA	Solid	Moisture	
460-323535-35	14E3_15-16	Total/NA	Solid	Moisture	
460-323535-36	14F1_3-4	Total/NA	Solid	Moisture	
460-323535-37	14F1_7-8	Total/NA	Solid	Moisture	
460-323535-38	14F2_1-2	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 1030152 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323535-39	14F2_5-6	Total/NA	Solid	Moisture	
460-323535-40	14F2_9-10	Total/NA	Solid	Moisture	
460-323535-41	14F3_2-3	Total/NA	Solid	Moisture	
460-323535-42	14F3_6-7	Total/NA	Solid	Moisture	
460-323589-A-41 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323589-A-41 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323535-5 DU	14A2_7-8	Total/NA	Solid	Moisture	
460-323535-28 DU	14D3_17-18	Total/NA	Solid	Moisture	
460-323535-33 DU	14E2_9-10	Total/NA	Solid	Moisture	
460-323535-35 DU	14E3_15-16	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A1_1-2
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14A1_1-2
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-1
Matrix: Solid
Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:13
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 20:08

Client Sample ID: 14A1_3-4
Date Collected: 04/04/25 08:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14A1_3-4
Date Collected: 04/04/25 08:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-2
Matrix: Solid
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:13
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 20:31

Client Sample ID: 14A1_7-8
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14A1_7-8
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-3
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:13
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 20:55

Client Sample ID: 14A2_3-4
Date Collected: 04/04/25 08:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A2_3-4
Date Collected: 04/04/25 08:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-4
Matrix: Solid
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:14
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 21:19

Client Sample ID: 14A2_7-8
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14A2_7-8
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-5
Matrix: Solid
Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:14
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 21:42

Client Sample ID: 14A3_2-3
Date Collected: 04/04/25 08:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14A3_2-3
Date Collected: 04/04/25 08:25
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-6
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:15
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 22:06

Client Sample ID: 14A3_5-6
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14A3_5-6
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-7
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:15
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 22:30

Client Sample ID: 14B1_0-1
Date Collected: 04/04/25 08:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B1_0-1
Date Collected: 04/04/25 08:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-8
Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:15
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 22:53

Client Sample ID: 14B1_3-4
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B1_3-4
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-9
Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:16
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 23:17

Client Sample ID: 14B2_2-3
Date Collected: 04/04/25 08:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B2_2-3
Date Collected: 04/04/25 08:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-10
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:16
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/12/25 23:41

Client Sample ID: 14B2_7-8
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B2_7-8
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-11
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:17
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 00:04

Client Sample ID: 14B3_1-2
Date Collected: 04/04/25 08:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B3_1-2
Date Collected: 04/04/25 08:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-12
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:17
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 00:28

Client Sample ID: 14B3_5-6
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14B3_5-6
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-13
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:18
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 00:51

Client Sample ID: 14B3_9-10
Date Collected: 04/04/25 09:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14B3_9-10
Date Collected: 04/04/25 09:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-14
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:18
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 06:24

Client Sample ID: 14C1_2-3
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14C1_2-3
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-15
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:18
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 01:39

Client Sample ID: 14C1_10-11
Date Collected: 04/04/25 09:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14C1_10-11

Lab Sample ID: 460-323535-16
Date Collected: 04/04/25 09:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:19
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 02:03

Client Sample ID: 14C1_9-10

Lab Sample ID: 460-323535-17
Date Collected: 04/04/25 09:20
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14C1_9-10

Lab Sample ID: 460-323535-17
Date Collected: 04/04/25 09:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:19
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 02:26

Client Sample ID: 14C2_1-2

Lab Sample ID: 460-323535-18
Date Collected: 04/04/25 09:25
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14C2_1-2

Lab Sample ID: 460-323535-18
Date Collected: 04/04/25 09:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:20
Total/NA	Analysis	8260D		1	1031262	AAT	EET EDI	04/13/25 02:50

Client Sample ID: 14C2_11-12

Lab Sample ID: 460-323535-19
Date Collected: 04/04/25 09:30
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14C2_11-12
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-19
Matrix: Solid
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:20
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 06:47

Client Sample ID: 14C3_3-4
Date Collected: 04/04/25 09:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14C3_3-4
Date Collected: 04/04/25 09:35
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-20
Matrix: Solid
Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:20
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 07:34

Client Sample ID: 14C3_7-8
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14C3_7-8
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-21
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:21
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 07:57

Client Sample ID: 14D1_0-1
Date Collected: 04/04/25 09:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D1_0-1
Date Collected: 04/04/25 09:45
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-22
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:21
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 08:21

Client Sample ID: 14D1_6-7
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14D1_6-7
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-23
Matrix: Solid
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:22
Total/NA	Analysis	8260D		1	1031469	AAT	EET EDI	04/14/25 08:33

Client Sample ID: 14D1_11-12
Date Collected: 04/04/25 09:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14D1_11-12
Date Collected: 04/04/25 09:55
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-24
Matrix: Solid
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030193	EMM	EET EDI	04/07/25 11:22
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 09:08

Client Sample ID: 14D2_4-5
Date Collected: 04/04/25 10:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D2_4-5
Date Collected: 04/04/25 10:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-25
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:24
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 09:32

Client Sample ID: 14D2_15-16
Date Collected: 04/04/25 10:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14D2_15-16
Date Collected: 04/04/25 10:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-26
Matrix: Solid
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:24
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 09:55

Client Sample ID: 14D3_13-14
Date Collected: 04/04/25 10:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14D3_13-14
Date Collected: 04/04/25 10:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-27
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:24
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 10:19

Client Sample ID: 14D3_17-18
Date Collected: 04/04/25 10:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14D3_17-18

Lab Sample ID: 460-323535-28
Date Collected: 04/04/25 10:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:25
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 10:42

Client Sample ID: 14E1_5-6

Lab Sample ID: 460-323535-29
Date Collected: 04/04/25 10:20
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E1_5-6

Lab Sample ID: 460-323535-29
Date Collected: 04/04/25 10:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:25
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 11:06

Client Sample ID: 14E1_12-13

Lab Sample ID: 460-323535-30
Date Collected: 04/04/25 10:25
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E1_12-13

Lab Sample ID: 460-323535-30
Date Collected: 04/04/25 10:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:26
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 11:30

Client Sample ID: 14E1_16-17

Lab Sample ID: 460-323535-31
Date Collected: 04/04/25 10:30
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E1_16-17

Lab Sample ID: 460-323535-31
Date Collected: 04/04/25 10:30
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:26
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 11:53

Client Sample ID: 14E2_3-4

Lab Sample ID: 460-323535-32
Date Collected: 04/04/25 10:35
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E2_3-4

Lab Sample ID: 460-323535-32
Date Collected: 04/04/25 10:35
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:26
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 12:17

Client Sample ID: 14E2_9-10

Lab Sample ID: 460-323535-33
Date Collected: 04/04/25 10:40
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E2_9-10

Lab Sample ID: 460-323535-33
Date Collected: 04/04/25 10:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:27
Total/NA	Analysis	8260D		1	1031469	AAT	EET EDI	04/14/25 08:57

Client Sample ID: 14E3_12-13

Lab Sample ID: 460-323535-34
Date Collected: 04/04/25 10:45
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14E3_12-13

Lab Sample ID: 460-323535-34
Date Collected: 04/04/25 10:45
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:27
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 13:04

Client Sample ID: 14E3_15-16

Lab Sample ID: 460-323535-35
Date Collected: 04/04/25 10:50
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14E3_15-16

Lab Sample ID: 460-323535-35
Date Collected: 04/04/25 10:50
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:28
Total/NA	Analysis	8260D		1	1031469	AAT	EET EDI	04/14/25 09:21

Client Sample ID: 14F1_3-4

Lab Sample ID: 460-323535-36
Date Collected: 04/04/25 10:55
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14F1_3-4

Lab Sample ID: 460-323535-36
Date Collected: 04/04/25 10:55
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:28
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 13:51

Client Sample ID: 14F1_7-8

Lab Sample ID: 460-323535-37
Date Collected: 04/04/25 11:00
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F1_7-8
Date Collected: 04/04/25 11:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-37
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:29
Total/NA	Analysis	8260D		1	1031355	AAT	EET EDI	04/13/25 14:15

Client Sample ID: 14F2_1-2
Date Collected: 04/04/25 11:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14F2_1-2
Date Collected: 04/04/25 11:05
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-38
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:29
Total/NA	Analysis	8260D		1	1031645	AAT	EET EDI	04/15/25 12:33

Client Sample ID: 14F2_5-6
Date Collected: 04/04/25 11:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14F2_5-6
Date Collected: 04/04/25 11:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-39
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:30
Total/NA	Analysis	8260D		1	1031645	AAT	EET EDI	04/15/25 12:57

Client Sample ID: 14F2_9-10
Date Collected: 04/04/25 11:15
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323535-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Client Sample ID: 14F2_9-10

Lab Sample ID: 460-323535-40
Date Collected: 04/04/25 11:15
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:30
Total/NA	Analysis	8260D		1	1031645	AAT	EET EDI	04/15/25 13:21

Client Sample ID: 14F3_2-3

Lab Sample ID: 460-323535-41
Date Collected: 04/04/25 11:20
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14F3_2-3

Lab Sample ID: 460-323535-41
Date Collected: 04/04/25 11:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:30
Total/NA	Analysis	8260D		1	1031645	AAT	EET EDI	04/15/25 16:06

Client Sample ID: 14F3_6-7

Lab Sample ID: 460-323535-42
Date Collected: 04/04/25 11:25
Matrix: Solid
Date Received: 04/04/25 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030152	DAN	EET EDI	04/07/25 08:17

Client Sample ID: 14F3_6-7

Lab Sample ID: 460-323535-42
Date Collected: 04/04/25 11:25
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			1030052	EMM	EET EDI	04/06/25 12:31
Total/NA	Analysis	8260D		1	1031645	AAT	EET EDI	04/15/25 13:45

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
5035	Closed System Purge and Trap	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323535-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323535-1	14A1_1-2	Solid	04/04/25 08:00	04/04/25 18:30
460-323535-2	14A1_3-4	Solid	04/04/25 08:05	04/04/25 18:30
460-323535-3	14A1_7-8	Solid	04/04/25 08:10	04/04/25 18:30
460-323535-4	14A2_3-4	Solid	04/04/25 08:15	04/04/25 18:30
460-323535-5	14A2_7-8	Solid	04/04/25 08:20	04/04/25 18:30
460-323535-6	14A3_2-3	Solid	04/04/25 08:25	04/04/25 18:30
460-323535-7	14A3_5-6	Solid	04/04/25 08:30	04/04/25 18:30
460-323535-8	14B1_0-1	Solid	04/04/25 08:35	04/04/25 18:30
460-323535-9	14B1_3-4	Solid	04/04/25 08:40	04/04/25 18:30
460-323535-10	14B2_2-3	Solid	04/04/25 08:45	04/04/25 18:30
460-323535-11	14B2_7-8	Solid	04/04/25 08:50	04/04/25 18:30
460-323535-12	14B3_1-2	Solid	04/04/25 08:55	04/04/25 18:30
460-323535-13	14B3_5-6	Solid	04/04/25 09:00	04/04/25 18:30
460-323535-14	14B3_9-10	Solid	04/04/25 09:05	04/04/25 18:30
460-323535-15	14C1_2-3	Solid	04/04/25 09:10	04/04/25 18:30
460-323535-16	14C1_10-11	Solid	04/04/25 09:15	04/04/25 18:30
460-323535-17	14C1_9-10	Solid	04/04/25 09:20	04/04/25 18:30
460-323535-18	14C2_1-2	Solid	04/04/25 09:25	04/04/25 18:30
460-323535-19	14C2_11-12	Solid	04/04/25 09:30	04/04/25 18:30
460-323535-20	14C3_3-4	Solid	04/04/25 09:35	04/04/25 18:30
460-323535-21	14C3_7-8	Solid	04/04/25 09:40	04/04/25 18:30
460-323535-22	14D1_0-1	Solid	04/04/25 09:45	04/04/25 18:30
460-323535-23	14D1_6-7	Solid	04/04/25 09:50	04/04/25 18:30
460-323535-24	14D1_11-12	Solid	04/04/25 09:55	04/04/25 18:30
460-323535-25	14D2_4-5	Solid	04/04/25 10:00	04/04/25 18:30
460-323535-26	14D2_15-16	Solid	04/04/25 10:05	04/04/25 18:30
460-323535-27	14D3_13-14	Solid	04/04/25 10:10	04/04/25 18:30
460-323535-28	14D3_17-18	Solid	04/04/25 10:15	04/04/25 18:30
460-323535-29	14E1_5-6	Solid	04/04/25 10:20	04/04/25 18:30
460-323535-30	14E1_12-13	Solid	04/04/25 10:25	04/04/25 18:30
460-323535-31	14E1_16-17	Solid	04/04/25 10:30	04/04/25 18:30
460-323535-32	14E2_3-4	Solid	04/04/25 10:35	04/04/25 18:30
460-323535-33	14E2_9-10	Solid	04/04/25 10:40	04/04/25 18:30
460-323535-34	14E3_12-13	Solid	04/04/25 10:45	04/04/25 18:30
460-323535-35	14E3_15-16	Solid	04/04/25 10:50	04/04/25 18:30
460-323535-36	14F1_3-4	Solid	04/04/25 10:55	04/04/25 18:30
460-323535-37	14F1_7-8	Solid	04/04/25 11:00	04/04/25 18:30
460-323535-38	14F2_1-2	Solid	04/04/25 11:05	04/04/25 18:30
460-323535-39	14F2_5-6	Solid	04/04/25 11:10	04/04/25 18:30
460-323535-40	14F2_9-10	Solid	04/04/25 11:15	04/04/25 18:30
460-323535-41	14F3_2-3	Solid	04/04/25 11:20	04/04/25 18:30
460-323535-42	14F3_6-7	Solid	04/04/25 11:25	04/04/25 18:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193164-126387.3
Client Contact: Tom Giordano	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 3 of 4
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323535
Address: 213 West 35th St	Due Date Requested:	Analysis Requested		Preservation Codes: N None F MeOH
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0208988-001-~~001-06~~ 002-02			
Email: TGiordano@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			

460-323535 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - TCL Part 375 VOCs	TCL VOCs	Total Number	Special Instructions/Note:
			Preservation Code:				N	F		
14A1_1-2	4/4/25	800	G	Solid				X		1
14A1_3-4		805		Solid						2
14A1_7-8		810		Solid						3
14A2_3-4		815		Solid						4
14A2_7-8		820		Solid						5
14A3_2-3		825		Solid						6
14A3_5-6		830		Solid						7
14B1_0-1		835		Solid						8
14B1_3-4		840		Solid						9
14B2_2-3		845		Solid						10
14B2_7-8		850		Solid						11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/4/25	Company HAA	Received by:	Date/Time: 4-4-25 15:00	Company E.T.T		
Relinquished by:	Date/Time: 4-4-25 1830	Company ETT	Received by:	Date/Time: 4/4 1830	Company ETT		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No. no/cs FR #4		Cooler Temperature(s) °C and Other Remarks: 1.7/1.7 - 1.5/1.9				

Ver: 05/06/2024

4/15/2025

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193164-126387.4
Client Contact: Tom Giordano	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 4 of 17 4
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 223535
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 0208988-001 ~~-001-06~~ 006-02			
Email: TGiordano@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: 4101 Arthur Kill - Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
Other

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_74769_8021B_8021A_8270E	8260D_TCLPart_376-VOCs	TCL VOA	Total Number of containers	Special Instructions/Note:
		Preservation Code:					N	F			
14B3_1-2	4/4/25	855	G	Solid					X		12
14B3_5-6		900		Solid							13
14B3_9-10		905		Solid							14
14C1_2-3		910		Solid							15
14C1_10-11		915		Solid							16
14C1_9-10		920		Solid							17
14C2_1-2		925		Solid							18
14C2_11-12		930		Solid							19
14C3_3-4		935		Solid							20
14C3_7-8		940		Solid							21
14D1_0-1		945		Solid							22

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I II III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/4/25	Company HA	Received by:	Date/Time: 4-4-25 15:00	Company ET
Relinquished by:	Date/Time: 4-4-25 18:30	Company ET	Received by:	Date/Time: 4/4 1853	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
	no/cs ER # 9	1.3/1.7 - 1.5/1.9

Ver 05/06/2024

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins

Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193164-126387.5
Client Contact: Tom Giordano	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: 3 4 Page 5 of 11
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 372535
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None F MeOH
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 006-02 0208988-001-~~001-06~~			
Email: TGiordano@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			Other

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B-TCL Part 375 VOCs	TCL VOA	Total Number of containers	Special Instructions/Note:
Preservation Code:						N	F			
14D1_6-7	4/4/25	950	G	Solid				X		22
14D1_11-12		955		Solid						24
14D2_4-5		1000		Solid						25
14D2_15-16		1005		Solid						26
14D3_13-14		1010		Solid						27
14D3_17-18		1015		Solid						28
14E1_5-6		1020		Solid						29
14E1_12-13		1025		Solid						30
14E1_16-17		1030		Solid						31
14E2_3-4		1035		Solid						32
14E2_9-10		1040		Solid						33

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/4/25	Company HAP	Received by:	Date/Time: 4-4-25	Company
Relinquished by:	Date/Time: 4-4-25 1830	Company EET	Received by:	Date/Time: 4/4 1830	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.

Cooler Temperature(s) °C and Other Remarks:

Ver 05/06/2024

4/15/2025

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193309-126487 1
Client Contact: Sebastian Sotomayor	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 4 of 4
Company: Haley & Aldrich, Inc.	PWSID:	Analysis Requested		Job #: 323535
Address: 213 West 35th St	Due Date Requested:			Preservation Codes: N None
City: New York	TAT Requested (days):			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 006-02 0208988-001-~~001-00~~			
Email: SSotomayor@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			Other
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B; 7471B; 8081B; 8082A; 8270E	TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N				
14E3_12 13	4/4/25	1045	G	Solid				X		34
14E3_15 16		1050		Solid						35
14F1_3 4		1055		Solid						36
14F1_7-8		1100		Solid						37
14F2_1-2		1105		Solid						38
14F2_5-6		1110		Solid						39
14F2_9-10		1115		Solid						40
14F3_2-3		1120		Solid						41
14F3_6-7		1125		Solid						42
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/4/25	HCA		4-4-25 15:08	ET
2	Relinquished by:	Date/Time: 4-4-25 18:30	Company ET	Received by:	Date/Time: 4/4 1830	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver 10/10/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 372535

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.5 °C	1.9 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: MH Date: 4-4-25

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-323535-1

Login Number: 323535
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Tom Giordano
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 4/14/2025 2:48:59 PM

JOB DESCRIPTION

Former Port Mobil

JOB NUMBER

460-323536-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
4/14/2025 2:48:59 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	LCS or LCSD is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
U	Analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
460-323536-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 4/4/2025 6:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.7°C and 1.9°C.

Method 8270E - Semivolatile Organic Compounds (GC/MS)
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Semivolatile Organic Compounds (GC/MS). The samples were prepared on 4/7/2025 and 4/8/2025 and analyzed on 4/8/2025 and 4/9/2025.

The continuing calibration verification (CCV) analyzed in batch 460-1030314 was outside the method criteria for the following analyte(s): < Benzaldehyde and Hexachlorocyclopentadiene>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-1030449 was outside the method criteria for the following analyte(s): Benzaldehyde and Hexachlorocyclopentadiene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-1030380 and analytical batch 460-1030449 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde, Caprolactam and Benzo[g,h,i]perylene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-1030755 was outside the method criteria for the following analyte(s): < 2,4-Dinitrophenol>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Polychlorinated Biphenyls (PCBs) by Gas Chromatography. The samples were prepared and analyzed on 4/8/2025.

The continuing calibration verification (CCVIS) for Tetrachloro-m-xylene surrogate recovered outside the upper control limit on the primary column but within control limits on the secondary column. The data have been qualified and reported. (CCVIS 460-1030446/2)

The continuing calibration verification (CCVIS) for Tetrachloro-m-xylene surrogate recovered outside the upper control limit on the primary column but within control limits on the secondary column. The data have been qualified and reported. (CCVIS 460-1030522/2)

Method 8081B - Organochlorine Pesticides (GC)

Job ID: 460-323536-1 (Continued) Eurofins Edison

Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Organochlorine Pesticides (GC). The samples were prepared on 4/8/2025 and analyzed on 4/9/2025.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-1030388 and analytical batch 460-1030464 recovered outside control limits for the following analytes: alpha-BHC on the secondary column. (LCSD 460-1030388/3-A)

The continuing calibration verification (CCV) associated with batch 460-1030464 recovered below the lower control limit for Methoxychlor and 4,4'-DDT on the primary column therefore the data
have been qualified and reported.
The CCV at the reporting limits was analyzed and the affected analyte was detected. Methoxychlor and 4,4'-DDT were within control limits on the secondary column . (CCVIS 460-1030464/3).

Method 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Per- and Polyfluoroalkyl Substances by LC/MS/MS. The samples were prepared on 4/8/2025 and analyzed on 4/9/2025 and 4/10/2025.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the Method Blank (MB) associated with prep batch 240-651364. Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries. The MB is non- detect for associated target analyte(s), therefore, the associated samples are reported. The following samples are affected:14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11), 14F_5-10 (460-323536-12), (MB 240-651364/1-A), (460-323129-G-4-A) and (460-323129-G-4-B DU).

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: 14A_5-10 (460-323536-2), 14C_6-12 (460-323536-6), 14E_9-18 (460-323536-10) and 14F_0-5 (460-323536-11). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 6020B - Metals (ICP/MS)
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Metals (ICP/MS). The samples were prepared and analyzed on 4/11/2025.

Method 7471B - Mercury (CVAA)
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Mercury (CVAA). The samples were prepared and analyzed on 4/10/2025.

Method Moisture - Percent Moisture
Samples 14A_0-5 (460-323536-1), 14A_5-10 (460-323536-2), 14B_0-5 (460-323536-3), 14B_5-10 (460-323536-4), 14C_0-6 (460-323536-5), 14C_6-12 (460-323536-6), 14D_0-9 (460-323536-7), 14D_9-8 (460-323536-8), 14E_0-9 (460-323536-9), 14E_9-18 (460-323536-10), 14F_0-5 (460-323536-11) and 14F_5-10 (460-323536-12) were analyzed for Percent Moisture. The samples were analyzed on 4/8/2025.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14A_0-5 — Lab Sample ID: 460-323536-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.081	J	0.27	0.068	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.040	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.045	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.57		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.86		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	6.26		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.63		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	7.70		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.15		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.11	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.23	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7450		22.0	6.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.9		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.9		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	61.3		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.80		0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.40	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	6110		110	44.8	mg/Kg	1	☼	6020B	Total/NA
Chromium	23.0		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.3		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	78.3		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Iron	19300		66.1	22.2	mg/Kg	1	☼	6020B	Total/NA
Lead	207		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	4270		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	110		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	26.5		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Potassium	1230		110	17.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.35	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.38	J	0.44	0.098	mg/Kg	1	☼	6020B	Total/NA
Sodium	105	J	110	50.3	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.083	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	25.6		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	364		8.8	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.038		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14A_5-10 — Lab Sample ID: 460-323536-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.013	J	0.38	0.013	mg/Kg	1	☼	8270E	Total/NA
2-Methylnaphthalene	0.075	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.0098	J	0.038	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.0075	J	0.038	0.0074	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.015	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.035	J	0.38	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.013	J	0.38	0.0094	mg/Kg	1	☼	8270E	Total/NA
Perfluorooctanoic acid (PFOA)	0.057	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.30		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.56		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	5.04		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.24		0.14	0.036	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample ID: 14A_5-10 (Continued)

Lab Sample ID: 460-323536-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorotridecanoic acid (PFTrDA)	2.19		0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.053	J	0.14	0.036	ug/Kg	1	☼	1633	Total/NA
Aluminum	5310		21.7	6.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	2.1		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	9.7		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	33.5		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.43		0.43	0.062	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.32	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	7900		108	44.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.1		2.2	0.98	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.4		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	45.9		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	15400		65.0	21.9	mg/Kg	1	☼	6020B	Total/NA
Lead	89.0		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5080		108	11.1	mg/Kg	1	☼	6020B	Total/NA
Manganese	87.1		4.3	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.8		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Potassium	938		108	17.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.34	J	0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.059	J	0.43	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.7		2.2	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	92.9		8.7	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.035		0.020	0.0092	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14B_0-5

Lab Sample ID: 460-323536-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.013	J	0.38	0.011	mg/Kg	1	☼	8270E	Total/NA
Perfluoropentanoic acid (PFPeA)	0.096	J	0.29	0.073	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.053	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.046	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.13	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	1.41		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.81		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	4.89		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.35		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	4.27		0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.090	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.095	J	0.15	0.037	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.19	J	0.59	0.15	ug/Kg	1	☼	1633	Total/NA
Aluminum	5610		21.2	5.8	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	39.2		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.75		0.42	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.25	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	4430		106	43.2	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.2		2.1	0.96	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.9		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	63.0		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14B_0-5 (Continued)

Lab Sample ID: 460-323536-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	17400		63.7	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	314		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3160		106	10.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	90.1		4.2	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	25.3		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	1190		106	17.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.27	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.24	J	0.42	0.095	mg/Kg	1	☼	6020B	Total/NA
Sodium	56.2	J	106	48.5	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.056	J	0.42	0.044	mg/Kg	1	☼	6020B	Total/NA
Vanadium	20.8		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	171		8.5	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.029		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14B_5-10

Lab Sample ID: 460-323536-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.036	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.036	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.080	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.37		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.99		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.27		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.07		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.070	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.075	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.17	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	4630		21.3	5.9	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.3		1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	31.4		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.53		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.26	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	3710		107	43.4	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.5		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.7		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	43.6		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Iron	13500		64.0	21.5	mg/Kg	1	☼	6020B	Total/NA
Lead	88.7		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2600		107	10.9	mg/Kg	1	☼	6020B	Total/NA
Manganese	71.0		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.8		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Potassium	821		107	17.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.23	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.5		2.1	0.22	mg/Kg	1	☼	6020B	Total/NA
Zinc	123		8.5	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.030		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14C_0-6 — Lab Sample ID: 460-323536-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.012	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.057	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.050	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.083	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.30		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.90		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.76		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.080	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	0.81		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.046	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Aluminum	4320		19.3	5.3	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.66	J	0.97	0.14	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.8		0.97	0.099	mg/Kg	1	☼	6020B	Total/NA
Barium	22.2		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.50		0.39	0.055	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.16	J	0.97	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	545		96.5	39.3	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.0		1.9	0.88	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.1		1.9	0.14	mg/Kg	1	☼	6020B	Total/NA
Copper	28.4		1.9	0.36	mg/Kg	1	☼	6020B	Total/NA
Iron	15100		57.9	19.5	mg/Kg	1	☼	6020B	Total/NA
Lead	29.0		0.58	0.19	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1050		96.5	9.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	64.7		3.9	0.39	mg/Kg	1	☼	6020B	Total/NA
Nickel	8.3		1.9	0.45	mg/Kg	1	☼	6020B	Total/NA
Potassium	881		96.5	15.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Silver	0.16	J	0.39	0.086	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.8		1.9	0.20	mg/Kg	1	☼	6020B	Total/NA
Zinc	60.3		7.7	2.9	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.011	J	0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14C_6-12 — Lab Sample ID: 460-323536-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.062	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.048	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.093	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.37		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	1.14		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	3.52		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.19		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	2.32		0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.041	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.067	J	0.14	0.034	ug/Kg	1	☼	1633	Total/NA
Aluminum	4600		20.2	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.94	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	31.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.58		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.19	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample ID: 14C_6-12 (Continued)

Lab Sample ID: 460-323536-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	11800		101	41.0	mg/Kg	1	☼	6020B	Total/NA
Chromium	14.6		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	3.8		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	48.3		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	14300		60.5	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	72.6		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	7430		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	66.6		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	18.5		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	968		101	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.29	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.18	J	0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	51.6	J	101	46.1	mg/Kg	1	☼	6020B	Total/NA
Vanadium	18.7		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	111		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.023		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14D_0-9

Lab Sample ID: 460-323536-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	0.11	J	0.35	0.013	mg/Kg	1	☼	8270E	Total/NA
Perfluorohexanoic acid (PFHxA)	0.037	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.084	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.75		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.82		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.93		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.38		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.34		0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.076	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.066	J	0.13	0.033	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.22		0.53	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	5120		20.0	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.0		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.5		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	28.9		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.61		0.40	0.057	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.21	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	4540		100	40.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.3		2.0	0.91	mg/Kg	1	☼	6020B	Total/NA
Cobalt	6.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	53.0		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	18200		60.0	20.2	mg/Kg	1	☼	6020B	Total/NA
Lead	363		0.60	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3500		100	10.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	120		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.4		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	1240		100	16.2	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.31	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.40	0.089	mg/Kg	1	☼	6020B	Total/NA
Sodium	53.1	J	100	45.7	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14D_0-9 (Continued) — Lab Sample ID: 460-323536-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Thallium	0.043	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.4		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	143		8.0	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.014	J	0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14D_9-8 — Lab Sample ID: 460-323536-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.038	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.035	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.055	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.25		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.25		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.86		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.27		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.21		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.061	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.036	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.49	J	0.55	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	5780		20.2	5.5	mg/Kg	1	☼	6020B	Total/NA
Antimony	1.1		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	7.9		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	37.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.54		0.40	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.24	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Calcium	1080		101	41.1	mg/Kg	1	☼	6020B	Total/NA
Chromium	19.2		2.0	0.92	mg/Kg	1	☼	6020B	Total/NA
Cobalt	4.9		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	43.4		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	21500		60.5	20.4	mg/Kg	1	☼	6020B	Total/NA
Lead	138		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1680		101	10.3	mg/Kg	1	☼	6020B	Total/NA
Manganese	156		4.0	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	14.5		2.0	0.47	mg/Kg	1	☼	6020B	Total/NA
Potassium	1180		101	16.3	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.25	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.14	J	0.40	0.090	mg/Kg	1	☼	6020B	Total/NA
Sodium	77.0	J	101	46.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.065	J	0.40	0.041	mg/Kg	1	☼	6020B	Total/NA
Vanadium	21.0		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	104		8.1	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.017	0.0078	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14E_0-9 — Lab Sample ID: 460-323536-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.075	J	0.28	0.069	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.061	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.074	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.55		0.14	0.035	ug/Kg	1	☼	1633	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14E_0-9 (Continued)

Lab Sample ID: 460-323536-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.61		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.98		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.44		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.082	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.086	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.15	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.97		0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7180		20.4	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.68	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	5.8		1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	49.3		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.75		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.21	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1990		102	41.5	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.1		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.7		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	48.5		2.0	0.37	mg/Kg	1	☼	6020B	Total/NA
Iron	19000		61.1	20.6	mg/Kg	1	☼	6020B	Total/NA
Lead	111		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2800		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	284		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	23.9		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	1270		102	16.5	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.29	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.15	J	0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	68.9	J	102	46.6	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.086	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	22.9		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	125		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.018		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14E_9-18

Lab Sample ID: 460-323536-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.037	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.061	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.087	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.55		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.77		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.70		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.48		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	1.61		0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.097	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.065	J	0.13	0.034	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	1.14		0.54	0.13	ug/Kg	1	☼	1633	Total/NA
Aluminum	8860		20.5	5.6	mg/Kg	1	☼	6020B	Total/NA
Antimony	2.9		1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	8.8		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14E_9-18 (Continued)

Lab Sample ID: 460-323536-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	83.5		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.87		0.41	0.058	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.43	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	10100		102	41.6	mg/Kg	1	☼	6020B	Total/NA
Chromium	30.5		2.0	0.93	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.0		2.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	214		2.0	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	20700		61.4	20.7	mg/Kg	1	☼	6020B	Total/NA
Lead	181		0.61	0.20	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2430		102	10.4	mg/Kg	1	☼	6020B	Total/NA
Manganese	1030		4.1	0.41	mg/Kg	1	☼	6020B	Total/NA
Nickel	49.1		2.0	0.48	mg/Kg	1	☼	6020B	Total/NA
Potassium	2550		102	16.6	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.62	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.56		0.41	0.091	mg/Kg	1	☼	6020B	Total/NA
Sodium	356		102	46.8	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.061	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.9		2.0	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	197		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.017	0.0079	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14F_0-5

Lab Sample ID: 460-323536-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.23	J	0.28	0.070	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.20		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.28		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.45		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.99		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.51		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	2.72		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.28		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.29		0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.070	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.046	J	0.14	0.035	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.34	J	0.56	0.14	ug/Kg	1	☼	1633	Total/NA
Aluminum	7310		20.6	5.7	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.91	J	1.0	0.15	mg/Kg	1	☼	6020B	Total/NA
Arsenic	6.7		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	50.8		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.69		0.41	0.059	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.26	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	1130		103	41.9	mg/Kg	1	☼	6020B	Total/NA
Chromium	21.6		2.1	0.94	mg/Kg	1	☼	6020B	Total/NA
Cobalt	8.3		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Copper	46.9		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Iron	18900		61.8	20.8	mg/Kg	1	☼	6020B	Total/NA
Lead	159		0.62	0.21	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2360		103	10.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	258		4.1	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.8		2.1	0.48	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14F_0-5 (Continued)

Lab Sample ID: 460-323536-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1200		103	16.7	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.40	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.21	J	0.41	0.092	mg/Kg	1	☼	6020B	Total/NA
Sodium	70.8	J	103	47.1	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.096	J	0.41	0.042	mg/Kg	1	☼	6020B	Total/NA
Vanadium	23.2		2.1	0.21	mg/Kg	1	☼	6020B	Total/NA
Zinc	132		8.2	3.1	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.030		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: 14F_5-10

Lab Sample ID: 460-323536-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.079	J	0.29	0.073	ug/Kg	1	☼	1633	Total/NA
Perfluorohexanoic acid (PFHxA)	0.071	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.080	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanoic acid (PFOA)	0.16		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorononanoic acid (PFNA)	0.65		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorodecanoic acid (PFDA)	0.31		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluoroundecanoic acid (PFUnA)	1.41		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorododecanoic acid (PFDoA)	0.24		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotridecanoic acid (PFTrDA)	3.03		0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorotetradecanoic acid (PFTeDA)	0.077	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.061	J	0.15	0.036	ug/Kg	1	☼	1633	Total/NA
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.21	J	0.58	0.15	ug/Kg	1	☼	1633	Total/NA
Aluminum	7010		22.0	6.0	mg/Kg	1	☼	6020B	Total/NA
Antimony	0.59	J	1.1	0.16	mg/Kg	1	☼	6020B	Total/NA
Arsenic	4.8		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	34.7		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.52		0.44	0.063	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.13	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Calcium	916		110	44.7	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.6		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.2		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Copper	29.1		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Iron	16500		65.9	22.2	mg/Kg	1	☼	6020B	Total/NA
Lead	35.1		0.66	0.22	mg/Kg	1	☼	6020B	Total/NA
Magnesium	1720		110	11.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	137		4.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.8		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Potassium	949		110	17.8	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.28	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.13	J	0.44	0.098	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.11	J	0.44	0.045	mg/Kg	1	☼	6020B	Total/NA
Vanadium	26.4		2.2	0.23	mg/Kg	1	☼	6020B	Total/NA
Zinc	56.0		8.8	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.022		0.019	0.0089	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Chloronaphthalene	0.36	U	0.36	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Nitroaniline	0.36	U	0.36	0.092	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Atrazine	0.15	U *	0.15	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzo[g,h,i]perylene	0.36	U *	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Caprolactam	0.36	U *	0.36	0.057	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	04/08/25 10:12	04/09/25 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 137*	*04/08/25 10:12*	*04/09/25 04:46*	*1*
2-Fluorobiphenyl	*88*		*38 - 128*	*04/08/25 10:12*	*04/09/25 04:46*	*1*
2-Fluorophenol (Surr)	*91*		*31 - 133*	*04/08/25 10:12*	*04/09/25 04:46*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*04/08/25 10:12*	*04/09/25 04:46*	*1*
Phenol-d5 (Surr)	*91*		*35 - 132*	*04/08/25 10:12*	*04/09/25 04:46*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*04/08/25 10:12*	*04/09/25 04:46*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid
Percent Solids: 90.8

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/08/25 10:43	04/09/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:49*	*1*
DCB Decachlorobiphenyl	*78*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:49*	*1*
Tetrachloro-m-xylene	*82*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:49*	*1*
Tetrachloro-m-xylene	*80*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*52*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:05*	*1*
DCB Decachlorobiphenyl	*57*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:05*	*1*
Tetrachloro-m-xylene	*60*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:05*	*1*
Tetrachloro-m-xylene	*69*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:05*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoropentanoic acid (PFPeA)	**0.081**	**J**	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorohexanoic acid (PFHxA)	**0.040**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoroheptanoic acid (PFHpA)	**0.045**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorononanoic acid (PFNA)	**0.57**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorodecanoic acid (PFDA)	**0.86**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoroundecanoic acid (PFUnA)	**6.26**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorododecanoic acid (PFDoA)	**0.63**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorotridecanoic acid (PFTrDA)	**7.70**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorotetradecanoic acid (PFTeDA)	**0.15**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid
Percent Solids: 90.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.11**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.23**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.36	U	1.36	0.34	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.41	U	3.41	0.85	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 21:57	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C5 PFPeA	*105*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C5 PFHxA	*93.5*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C4 PFHpA	*114*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C8 PFOA	*82.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C9 PFNA	*91.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*
13C6 PFDA	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 21:57*	*1*

Client Sample ID: 14A_0-5

Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1

Matrix: Solid
Percent Solids: 90.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	147		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C2 PFTeDA	68.1		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C3 PFBS	94.5		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C3 PFHxS	76.5		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C8 PFOS	90.0		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C8 FOSA	96.0		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d3-NMeFOSAA	96.4		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d5-NEtFOSAA	99.6		20 - 150	04/08/25 14:24	04/09/25 21:57	1
M2-4:2 FTS	91.4		20 - 150	04/08/25 14:24	04/09/25 21:57	1
M2-6:2 FTS	89.3		20 - 150	04/08/25 14:24	04/09/25 21:57	1
M2-8:2 FTS	82.7		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C3 HFPO-DA	104		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d7-N-MeFOSE-M	59.0		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d9-N-EtFOSE-M	52.4		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d5-NEtPFOSA	70.2		20 - 150	04/08/25 14:24	04/09/25 21:57	1
d3-NMePFOSA	86.4		20 - 150	04/08/25 14:24	04/09/25 21:57	1
13C2-PFDoDA	84.3		20 - 150	04/08/25 14:24	04/09/25 21:57	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7450		22.0	6.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Antimony	1.9		1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Arsenic	9.9		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Barium	61.3		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Beryllium	0.80		0.44	0.063	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Cadmium	0.40	J	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Calcium	6110		110	44.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Chromium	23.0		2.2	1.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Cobalt	7.3		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Copper	78.3		2.2	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Iron	19300		66.1	22.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Lead	207		0.66	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Magnesium	4270		110	11.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Manganese	110		4.4	0.44	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Nickel	26.5		2.2	0.52	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Potassium	1230		110	17.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Selenium	0.35	J	1.4	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Silver	0.38	J	0.44	0.098	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Sodium	105	J	110	50.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Thallium	0.083	J	0.44	0.045	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Vanadium	25.6		2.2	0.23	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1
Zinc	364		8.8	3.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038		0.018	0.0085	mg/Kg	☼	04/10/25 01:10	04/10/25 05:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.2		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14A_0-5

Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1

Matrix: Solid
Percent Solids: 90.8

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	90.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14A_5-10

Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2

Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.013	J	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,4-Dinitrotoluene	0.077	U	0.077	0.041	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2,6-Dinitrotoluene	0.077	U	0.077	0.027	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Chloronaphthalene	0.38	U	0.38	0.049	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Methylnaphthalene	0.075	J	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.15	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
4-Nitrophenol	0.77	U	0.77	0.062	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzaldehyde	0.38	U *	0.38	0.063	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzo[b]fluoranthene	0.0098	J	0.038	0.0098	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzo[g,h,i]perylene	0.38	U *	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Benzo[k]fluoranthene	0.0075	J	0.038	0.0074	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1

Client Sample ID: 14A_5-10
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Caprolactam	0.38	U *	0.38	0.059	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Fluorene	**0.015**	**J**	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Hexachlorobutadiene	0.077	U	0.077	0.0081	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Naphthalene	0.38	U	0.38	0.0066	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Pentachlorophenol	0.31	U	0.31	0.078	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Phenanthrene	**0.035**	**J**	0.38	0.015	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1
Pyrene	**0.013**	**J**	0.38	0.0094	mg/Kg	☼	04/08/25 10:12	04/08/25 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*04/08/25 10:12*	*04/08/25 23:47*	*1*
2-Fluorobiphenyl	*72*		*38 - 128*	*04/08/25 10:12*	*04/08/25 23:47*	*1*
2-Fluorophenol (Surr)	*73*		*31 - 133*	*04/08/25 10:12*	*04/08/25 23:47*	*1*
Nitrobenzene-d5 (Surr)	*68*		*31 - 120*	*04/08/25 10:12*	*04/08/25 23:47*	*1*
Phenol-d5 (Surr)	*73*		*35 - 132*	*04/08/25 10:12*	*04/08/25 23:47*	*1*
Terphenyl-d14 (Surr)	*78*		*44 - 147*	*04/08/25 10:12*	*04/08/25 23:47*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1

Client Sample ID: 14A_5-10

Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2

Matrix: Solid
Percent Solids: 87.0

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Heptachlor epoxide	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 10:43	04/09/25 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:02*	*1*
DCB Decachlorobiphenyl	*78*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:02*	*1*
Tetrachloro-m-xylene	*80*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:02*	*1*
Tetrachloro-m-xylene	*78*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:02*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1221	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1232	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1242	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1248	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1254	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1260	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor-1262	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Aroclor 1268	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:22*	*1*
DCB Decachlorobiphenyl	*93*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:22*	*1*
Tetrachloro-m-xylene	*100*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:22*	*1*
Tetrachloro-m-xylene	*116*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:22*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoropentanoic acid (PFPeA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorohexanoic acid (PFHxA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorooctanoic acid (PFOA)	**0.057**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorononanoic acid (PFNA)	**0.30**		0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorodecanoic acid (PFDA)	**0.56**		0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoroundecanoic acid (PFUnA)	**5.04**		0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorododecanoic acid (PFDoA)	**0.24**		0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorotridecanoic acid (PFTrDA)	**2.19**		0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1

Client Sample ID: 14A_5-10
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2
Matrix: Solid
Percent Solids: 87.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorooctanesulfonic acid (PFOS)	**0.053**	**J**	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.44	U	1.44	0.36	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.72	U	0.72	0.18	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.61	U	3.61	0.90	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.61	U	3.61	0.90	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.036	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.072	ug/Kg	☼	04/08/25 14:24	04/09/25 22:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:14*	*1*

Client Sample ID: 14A_5-10

Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2

Matrix: Solid
Percent Solids: 87.0

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFPeA	111		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C5 PFHxA	97.8		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C4 PFHpA	116		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C8 PFOA	81.3		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C9 PFNA	89.0		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C6 PFDA	90.6		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C7 PFUnA	153	*	20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C2 PFTeDA	63.0		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C3 PFBS	96.9		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C3 PFHxS	75.6		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C8 PFOS	89.9		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C8 FOSA	96.4		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d3-NMeFOSAA	92.5		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d5-NEtFOSAA	90.3		20 - 150	04/08/25 14:24	04/09/25 22:14	1
M2-4:2 FTS	82.2		20 - 150	04/08/25 14:24	04/09/25 22:14	1
M2-6:2 FTS	83.1		20 - 150	04/08/25 14:24	04/09/25 22:14	1
M2-8:2 FTS	79.1		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C3 HFPO-DA	105		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d7-N-MeFOSE-M	67.3		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d9-N-EtFOSE-M	59.6		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d5-NEtPFOSA	75.1		20 - 150	04/08/25 14:24	04/09/25 22:14	1
d3-NMePFOSA	88.3		20 - 150	04/08/25 14:24	04/09/25 22:14	1
13C2-PFDoDA	83.5		20 - 150	04/08/25 14:24	04/09/25 22:14	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5310		21.7	6.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Antimony	2.1		1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Arsenic	9.7		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Barium	33.5		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Beryllium	0.43		0.43	0.062	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Cadmium	0.32	J	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Calcium	7900		108	44.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Chromium	13.1		2.2	0.98	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Cobalt	3.4		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Copper	45.9		2.2	0.40	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Iron	15400		65.0	21.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Lead	89.0		0.65	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Magnesium	5080		108	11.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Manganese	87.1		4.3	0.44	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Nickel	8.8		2.2	0.51	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Potassium	938		108	17.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Selenium	0.19	J	1.4	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Silver	0.34	J	0.43	0.096	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Sodium	108	U	108	49.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Thallium	0.059	J	0.43	0.044	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Vanadium	21.7		2.2	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1
Zinc	92.9		8.7	3.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:21	1

Client Sample ID: 14A_5-10

Lab Sample ID: 460-323536-2

Date Collected: 04/04/25 08:10
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 87.0

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.035		0.020	0.0092	mg/Kg	☼	04/10/25 01:10	04/10/25 05:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.0		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	87.0		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14B_0-5

Lab Sample ID: 460-323536-3

Date Collected: 04/04/25 08:20
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 85.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
1,4-Dioxane	0.038	U	0.038	0.034	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.049	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4-Dichlorophenol	0.15	U	0.15	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4-Dimethylphenol	0.38	U	0.38	0.046	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4-Dinitrophenol	0.31	U	0.31	0.19	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,4-Dinitrotoluene	0.078	U	0.078	0.041	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2,6-Dinitrotoluene	0.078	U	0.078	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Chloronaphthalene	0.38	U	0.38	0.050	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Chlorophenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Methylnaphthalene	0.013	J	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
2-Nitrophenol	0.38	U	0.38	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
3-Nitroaniline	0.38	U	0.38	0.091	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4,6-Dinitro-2-methylphenol	0.31	U	0.31	0.16	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Chloroaniline	0.38	U	0.38	0.068	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Nitroaniline	0.38	U	0.38	0.098	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
4-Nitrophenol	0.78	U	0.78	0.063	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Anthracene	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Atrazine	0.15	U *	0.15	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Benzaldehyde	0.38	U *	0.38	0.064	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Benzo[a]anthracene	0.038	U	0.038	0.029	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1

Client Sample ID: 14B_0-5
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3
Matrix: Solid
Percent Solids: 85.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.038	U	0.038	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Benzo[g,h,i]perylene	0.38	U *	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0076	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.071	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Caprolactam	0.38	U *	0.38	0.060	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Carbazole	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Dimethyl phthalate	0.38	U	0.38	0.088	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Di-n-butyl phthalate	0.38	U	0.38	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Hexachlorobutadiene	0.078	U	0.078	0.0082	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.034	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Naphthalene	0.38	U	0.38	0.0067	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Pentachlorophenol	0.31	U	0.31	0.079	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Phenanthrene	0.38	U	0.38	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1
Pyrene	0.38	U	0.38	0.0096	mg/Kg	☼	04/08/25 10:12	04/09/25 00:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*24 - 137*	*04/08/25 10:12*	*04/09/25 00:10*	*1*
2-Fluorobiphenyl	*94*		*38 - 128*	*04/08/25 10:12*	*04/09/25 00:10*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*04/08/25 10:12*	*04/09/25 00:10*	*1*
Nitrobenzene-d5 (Surr)	*88*		*31 - 120*	*04/08/25 10:12*	*04/09/25 00:10*	*1*
Phenol-d5 (Surr)	*93*		*35 - 132*	*04/08/25 10:12*	*04/09/25 00:10*	*1*
Terphenyl-d14 (Surr)	*94*		*44 - 147*	*04/08/25 10:12*	*04/09/25 00:10*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0078	U	0.0078	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
4,4'-DDE	0.0078	U	0.0078	0.00092	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
4,4'-DDT	0.0078	U	0.0078	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Aldrin	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
alpha-BHC	0.0023	U	0.0023	0.00079	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
beta-BHC	0.0023	U	0.0023	0.00088	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Chlordane (technical)	0.078	U	0.078	0.019	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1

Client Sample ID: 14B_0-5

Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3

Matrix: Solid
Percent Solids: 85.6

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
delta-BHC	0.0023	U	0.0023	0.00048	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endosulfan I	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endosulfan II	0.0078	U	0.0078	0.0020	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endosulfan sulfate	0.0078	U	0.0078	0.00098	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endrin	0.0078	U	0.0078	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endrin aldehyde	0.0078	U	0.0078	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Endrin ketone	0.0078	U	0.0078	0.0015	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00072	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Heptachlor	0.0078	U	0.0078	0.00092	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Heptachlor epoxide	0.0078	U	0.0078	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Methoxychlor	0.0078	U	0.0078	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1
Toxaphene	0.078	U	0.078	0.028	mg/Kg	☼	04/08/25 10:43	04/09/25 01:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:14*	*1*
DCB Decachlorobiphenyl	*69*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:14*	*1*
Tetrachloro-m-xylene	*68*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:14*	*1*
Tetrachloro-m-xylene	*68*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1221	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1232	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1242	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1248	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1254	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1260	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor-1262	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Aroclor 1268	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1
Polychlorinated biphenyls, Total	0.078	U	0.078	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 21:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:38*	*1*
DCB Decachlorobiphenyl	*49*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:38*	*1*
Tetrachloro-m-xylene	*53*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:38*	*1*
Tetrachloro-m-xylene	*61*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:38*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoropentanoic acid (PFPeA)	**0.096**	**J**	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorohexanoic acid (PFHxA)	**0.053**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoroheptanoic acid (PFHpA)	**0.046**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorooctanoic acid (PFOA)	**0.13**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorononanoic acid (PFNA)	**1.41**		0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorodecanoic acid (PFDA)	**0.81**		0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoroundecanoic acid (PFUnA)	**4.89**		0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1

Client Sample ID: 14B_0-5
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3
Matrix: Solid
Percent Solids: 85.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.35**		0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorotridecanoic acid (PFTrDA)	**4.27**		0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorotetradecanoic acid (PFTeDA)	**0.090**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorooctanesulfonic acid (PFOS)	**0.095**	**J**	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.19**	**J**	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.47	U	1.47	0.37	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.47	U	1.47	0.37	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.59	U	0.59	0.15	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.73	U	0.73	0.18	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.67	U	3.67	0.92	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.67	U	3.67	0.92	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1

Client Sample ID: 14B_0-5
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3
Matrix: Solid
Percent Solids: 85.6

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.037	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/09/25 22:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C5 PFHxA	*93.2*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C8 PFOA	*84.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C9 PFNA	*91.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C6 PFDA	*89.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C7 PFUnA	*138*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C2 PFTeDA	*47.2*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C3 PFBS	*93.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C3 PFHxS	*75.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C8 PFOS	*85.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C8 FOSA	*90.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d3-NMeFOSAA	*82.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d5-NEtFOSAA	*75.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
M2-4:2 FTS	*83.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
M2-6:2 FTS	*89.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
M2-8:2 FTS	*76.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C3 HFPO-DA	*103*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d7-N-MeFOSE-M	*54.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d9-N-EtFOSE-M	*47.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d5-NEtPFOSA	*64.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
d3-NMePFOSA	*77.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*
13C2-PFDoDA	*74.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:30*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5610**		21.2	5.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Antimony	**1.1**		1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Arsenic	**7.8**		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Barium	**39.2**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Beryllium	**0.75**		0.42	0.061	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Cadmium	**0.25**	J	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Calcium	**4430**		106	43.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Chromium	**21.2**		2.1	0.96	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Cobalt	**6.9**		2.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Copper	**63.0**		2.1	0.39	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Iron	**17400**		63.7	21.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Lead	**314**		0.64	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Magnesium	**3160**		106	10.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Manganese	**90.1**		4.2	0.43	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Nickel	**25.3**		2.1	0.50	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Potassium	**1190**		106	17.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Selenium	**0.27**	J	1.3	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Silver	**0.24**	J	0.42	0.095	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Sodium	**56.2**	J	106	48.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1

Client Sample ID: 14B_0-5

Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3

Matrix: Solid
Percent Solids: 85.6

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.056	J	0.42	0.044	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Vanadium	20.8		2.1	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1
Zinc	171		8.5	3.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.018	0.0085	mg/Kg	☼	04/10/25 01:10	04/10/25 05:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	14.4		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	85.6		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14B_5-10

Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
1,4-Dioxane	0.037	U	0.037	0.033	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4,5-Trichlorophenol	0.37	U	0.37	0.038	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4-Dimethylphenol	0.37	U	0.37	0.045	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4-Dinitrophenol	0.30	U	0.30	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,4-Dinitrotoluene	0.076	U	0.076	0.040	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Chloronaphthalene	0.37	U	0.37	0.048	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.056	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
3-Nitroaniline	0.37	U	0.37	0.089	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Chloroaniline	0.37	U	0.37	0.066	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Nitroaniline	0.37	U	0.37	0.095	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Acenaphthylene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1

Client Sample ID: 14B_5-10
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4
Matrix: Solid
Percent Solids: 88.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzaldehyde	0.37	U *	0.37	0.062	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzo[a]pyrene	0.037	U	0.037	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0097	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzo[g,h,i]perylene	0.37	U *	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0073	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.069	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Butyl benzyl phthalate	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Caprolactam	0.37	U *	0.37	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Chrysene	0.37	U	0.37	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Dimethyl phthalate	0.37	U	0.37	0.085	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Di-n-octyl phthalate	0.37	U	0.37	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Hexachlorobutadiene	0.076	U	0.076	0.0079	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.033	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Naphthalene	0.37	U	0.37	0.0065	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Nitrobenzene	0.037	U	0.037	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1
Pyrene	0.37	U	0.37	0.0093	mg/Kg	☼	04/08/25 10:12	04/09/25 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/08/25 10:12*	*04/09/25 00:33*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*04/08/25 10:12*	*04/09/25 00:33*	*1*
2-Fluorophenol (Surr)	*73*		*31 - 133*	*04/08/25 10:12*	*04/09/25 00:33*	*1*
Nitrobenzene-d5 (Surr)	*70*		*31 - 120*	*04/08/25 10:12*	*04/09/25 00:33*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*04/08/25 10:12*	*04/09/25 00:33*	*1*
Terphenyl-d14 (Surr)	*76*		*44 - 147*	*04/08/25 10:12*	*04/09/25 00:33*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0076	U	0.0076	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1

Client Sample ID: 14B_5-10

Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4

Matrix: Solid
Percent Solids: 88.4

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
4,4'-DDT	0.0076	U	0.0076	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Aldrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
alpha-BHC	0.0023	U	0.0023	0.00077	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
beta-BHC	0.0023	U	0.0023	0.00085	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Chlordane (technical)	0.076	U	0.076	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
cis-Chlordane	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
delta-BHC	0.0023	U	0.0023	0.00046	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Dieldrin	0.0023	U	0.0023	0.00098	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endosulfan I	0.0076	U	0.0076	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endosulfan II	0.0076	U	0.0076	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endosulfan sulfate	0.0076	U	0.0076	0.00095	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endrin	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endrin aldehyde	0.0076	U	0.0076	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Endrin ketone	0.0076	U	0.0076	0.0015	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00070	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Heptachlor	0.0076	U	0.0076	0.00089	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Heptachlor epoxide	0.0076	U	0.0076	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Methoxychlor	0.0076	U	0.0076	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1
Toxaphene	0.076	U	0.076	0.027	mg/Kg	☼	04/08/25 10:43	04/09/25 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:26*	*1*
DCB Decachlorobiphenyl	*81*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:26*	*1*
Tetrachloro-m-xylene	*82*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:26*	*1*
Tetrachloro-m-xylene	*79*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1221	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1232	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1242	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1248	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1254	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1260	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor-1262	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Aroclor 1268	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1
Polychlorinated biphenyls, Total	0.076	U	0.076	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 21:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:55*	*1*
DCB Decachlorobiphenyl	*76*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:55*	*1*
Tetrachloro-m-xylene	*80*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:55*	*1*
Tetrachloro-m-xylene	*93*		*20 - 150*	*04/08/25 10:47*	*04/08/25 21:55*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1

Client Sample ID: 14B_5-10
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	**0.036**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoroheptanoic acid (PFHpA)	**0.036**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorooctanoic acid (PFOA)	**0.080**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorononanoic acid (PFNA)	**0.37**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorodecanoic acid (PFDA)	**0.44**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoroundecanoic acid (PFUnA)	**2.99**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorododecanoic acid (PFDoA)	**0.27**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorotridecanoic acid (PFTrDA)	**3.07**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorotetradecanoic acid (PFTeDA)	**0.070**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorooctanesulfonic acid (PFOS)	**0.075**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.17**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1

Client Sample ID: 14B_5-10
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4
Matrix: Solid
Percent Solids: 88.4

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.17	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.48	U	3.48	0.87	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/09/25 22:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C5 PFPeA	*106*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C5 PFHxA	*94.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C8 PFOA	*82.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C9 PFNA	*90.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C6 PFDA	*88.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C7 PFUnA	*141*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C2 PFTeDA	*55.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C3 PFBS	*96.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C3 PFHxS	*77.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C8 PFOS	*90.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C8 FOSA	*93.2*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d3-NMeFOSAA	*91.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d5-NEtFOSAA	*89.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
M2-4:2 FTS	*87.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
M2-6:2 FTS	*88.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
M2-8:2 FTS	*79.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C3 HFPO-DA	*103*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d7-N-MeFOSE-M	*64.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d9-N-EtFOSE-M	*53.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d5-NEtPFOSA	*66.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
d3-NMePFOSA	*80.5*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*
13C2-PFDoDA	*76.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 22:47*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4630**		21.3	5.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Antimony	**1.3**		1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Arsenic	**7.0**		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Barium	**31.4**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Beryllium	**0.53**		0.43	0.061	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Cadmium	**0.26**	J	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Calcium	**3710**		107	43.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Chromium	**13.5**		2.1	0.97	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Cobalt	**3.7**		2.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Copper	**43.6**		2.1	0.39	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Iron	**13500**		64.0	21.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Lead	**88.7**		0.64	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1

Client Sample ID: 14B_5-10

Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4

Matrix: Solid
Percent Solids: 88.4

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2600		107	10.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Manganese	71.0		4.3	0.43	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Nickel	12.8		2.1	0.50	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Potassium	821		107	17.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Selenium	0.19	J	1.3	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Silver	0.23	J	0.43	0.095	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Sodium	107	U	107	48.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Thallium	0.43	U	0.43	0.044	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Vanadium	18.5		2.1	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1
Zinc	123		8.5	3.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0089	mg/Kg	☼	04/10/25 01:24	04/10/25 06:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	11.6		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	88.4		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14C_0-6

Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5

Matrix: Solid
Percent Solids: 92.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,4-Dinitrotoluene	0.072	U	0.072	0.038	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2,6-Dinitrotoluene	0.072	U	0.072	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1

Client Sample ID: 14C_0-6

Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5

Matrix: Solid
Percent Solids: 92.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.36	U	0.36	0.063	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Nitroaniline	0.36	U	0.36	0.090	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
4-Nitrophenol	0.72	U	0.72	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Anthracene	**0.012**	**J**	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzaldehyde	0.36	U *	0.36	0.059	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzo[a]pyrene	0.036	U	0.036	0.0095	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0092	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzo[g,h,i]perylene	0.36	U *	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Diethyl phthalate	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Dimethyl phthalate	0.36	U	0.36	0.081	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Di-n-butyl phthalate	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Fluoranthene	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Hexachlorobutadiene	0.072	U	0.072	0.0076	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.029	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Pentachlorophenol	0.29	U	0.29	0.073	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	04/08/25 10:12	04/09/25 00:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*24 - 137*	*04/08/25 10:12*	*04/09/25 00:56*	*1*
2-Fluorobiphenyl	*90*		*38 - 128*	*04/08/25 10:12*	*04/09/25 00:56*	*1*
2-Fluorophenol (Surr)	*94*		*31 - 133*	*04/08/25 10:12*	*04/09/25 00:56*	*1*

Client Sample ID: 14C_0-6
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*86*		*31 - 120*	*04/08/25 10:12*	*04/09/25 00:56*	*1*
Phenol-d5 (Surr)	*94*		*35 - 132*	*04/08/25 10:12*	*04/09/25 00:56*	*1*
Terphenyl-d14 (Surr)	*93*		*44 - 147*	*04/08/25 10:12*	*04/09/25 00:56*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Chlordane (technical)	0.072	U	0.072	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endosulfan II	0.0072	U	0.0072	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endosulfan sulfate	0.0072	U	0.0072	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Methoxychlor	0.0072	U	0.0072	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	04/08/25 10:43	04/09/25 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*76*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:39*	*1*
DCB Decachlorobiphenyl	*67*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:39*	*1*
Tetrachloro-m-xylene	*70*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:39*	*1*
Tetrachloro-m-xylene	*68*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:39*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*75*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:12*	*1*
DCB Decachlorobiphenyl	*86*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:12*	*1*

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14C_0-6
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5
Matrix: Solid
Percent Solids: 92.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*90*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:12*	*1*
Tetrachloro-m-xylene	*103*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:12*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorohexanoic acid (PFHxA)	**0.057**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoroheptanoic acid (PFHpA)	**0.050**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorooctanoic acid (PFOA)	**0.083**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorononanoic acid (PFNA)	**0.30**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorodecanoic acid (PFDA)	**0.90**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoroundecanoic acid (PFUnA)	**1.76**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorododecanoic acid (PFDoA)	**0.080**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorotridecanoic acid (PFTrDA)	**0.81**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorooctanesulfonic acid (PFOS)	**0.046**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.33	U	1.33	0.33	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.33	U	1.33	0.33	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1

Client Sample ID: 14C_0-6
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5
Matrix: Solid
Percent Solids: 92.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.33	U	3.33	0.83	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.33	U	3.33	0.83	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/09/25 23:03	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C5 PFPeA	*100*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C5 PFHxA	*91.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C4 PFHpA	*109*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C8 PFOA	*85.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C9 PFNA	*91.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C6 PFDA	*89.2*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C7 PFUnA	*149*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C2 PFTeDA	*90.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C3 PFBS	*95.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C3 PFHxS	*77.5*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C8 PFOS	*92.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C8 FOSA	*108*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d3-NMeFOSAA	*99.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d5-NEtFOSAA	*100*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
M2-4:2 FTS	*92.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
M2-6:2 FTS	*87.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
M2-8:2 FTS	*88.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C3 HFPO-DA	*100*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d7-N-MeFOSE-M	*65.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d9-N-EtFOSE-M	*56.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d5-NEtPFOSA	*72.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
d3-NMePFOSA	*86.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*
13C2-PFDoDA	*89.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:03*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4320**		19.3	5.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Antimony	**0.66**	**J**	0.97	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Arsenic	**5.8**		0.97	0.099	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Barium	**22.2**		1.9	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Beryllium	**0.50**		0.39	0.055	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1

Client Sample ID: 14C_0-6

Lab Sample ID: 460-323536-5
Date Collected: 04/04/25 08:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.5

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.16	J	0.97	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Calcium	545		96.5	39.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Chromium	14.0		1.9	0.88	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Cobalt	3.1		1.9	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Copper	28.4		1.9	0.36	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Iron	15100		57.9	19.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Lead	29.0		0.58	0.19	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Magnesium	1050		96.5	9.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Manganese	64.7		3.9	0.39	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Nickel	8.3		1.9	0.45	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Potassium	881		96.5	15.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Selenium	0.22	J	1.2	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Silver	0.16	J	0.39	0.086	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Sodium	96.5	U	96.5	44.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Thallium	0.39	U	0.39	0.040	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Vanadium	18.8		1.9	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1
Zinc	60.3		7.7	2.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:28	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	J	0.018	0.0086	mg/Kg	☼	04/10/25 01:24	04/10/25 06:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.5		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	92.5		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14C_6-12

Lab Sample ID: 460-323536-6
Date Collected: 04/04/25 08:50
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14C_6-12
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzaldehyde	0.36	U *	0.36	0.060	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzo[g,h,i]perylene	0.36	U *	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Caprolactam	0.36	U *	0.36	0.056	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1

Client Sample ID: 14C_6-12

Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6

Matrix: Solid
Percent Solids: 91.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	04/08/25 10:12	04/09/25 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 137*	*04/08/25 10:12*	*04/09/25 01:19*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*04/08/25 10:12*	*04/09/25 01:19*	*1*
2-Fluorophenol (Surr)	*78*		*31 - 133*	*04/08/25 10:12*	*04/09/25 01:19*	*1*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*	*04/08/25 10:12*	*04/09/25 01:19*	*1*
Phenol-d5 (Surr)	*78*		*35 - 132*	*04/08/25 10:12*	*04/09/25 01:19*	*1*
Terphenyl-d14 (Surr)	*78*		*44 - 147*	*04/08/25 10:12*	*04/09/25 01:19*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
beta-BHC	0.0022	U	0.0022	0.00082	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
cis-Chlordane	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Dieldrin	0.0022	U	0.0022	0.00095	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	04/08/25 10:43	04/09/25 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*67*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:51*	*1*
DCB Decachlorobiphenyl	*60*		*17 - 150*	*04/08/25 10:43*	*04/09/25 01:51*	*1*
Tetrachloro-m-xylene	*61*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:51*	*1*
Tetrachloro-m-xylene	*60*		*21 - 150*	*04/08/25 10:43*	*04/09/25 01:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1

Client Sample ID: 14C_6-12
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6
Matrix: Solid
Percent Solids: 91.8

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:28*	*1*
DCB Decachlorobiphenyl	*70*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:28*	*1*
Tetrachloro-m-xylene	*77*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:28*	*1*
Tetrachloro-m-xylene	*88*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:28*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorohexanoic acid (PFHxA)	**0.062**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoroheptanoic acid (PFHpA)	**0.048**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorooctanoic acid (PFOA)	**0.093**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorononanoic acid (PFNA)	**0.37**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorodecanoic acid (PFDA)	**1.14**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoroundecanoic acid (PFUnA)	**3.52**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorododecanoic acid (PFDoA)	**0.19**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorotridecanoic acid (PFTrDA)	**2.32**		0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorotetradecanoic acid (PFTeDA)	**0.041**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorooctanesulfonic acid (PFOS)	**0.067**	**J**	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1

Client Sample ID: 14C_6-12
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6
Matrix: Solid
Percent Solids: 91.8

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.35	U	1.35	0.34	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.14	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.68	U	0.68	0.17	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.39	U	3.39	0.85	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.034	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.068	ug/Kg	☼	04/08/25 14:24	04/09/25 23:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C5 PFPeA	*108*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C5 PFHxA	*95.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C4 PFHpA	*114*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C8 PFOA	*86.2*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C9 PFNA	*91.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C6 PFDA	*90.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C7 PFUnA	*153*	*	*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C2 PFTeDA	*71.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C3 PFBS	*97.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C3 PFHxS	*78.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C8 PFOS	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C8 FOSA	*99.4*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d3-NMeFOSAA	*96.5*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d5-NEtFOSAA	*98.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
M2-4:2 FTS	*93.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
M2-6:2 FTS	*92.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
M2-8:2 FTS	*84.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C3 HFPO-DA	*105*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d7-N-MeFOSE-M	*67.8*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d9-N-EtFOSE-M	*58.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d5-NEtPFOSA	*71.6*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
d3-NMePFOSA	*86.1*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*
13C2-PFDoDA	*88.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 23:53*	*1*

Client Sample ID: 14C_6-12

Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6

Matrix: Solid
Percent Solids: 91.8

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4600		20.2	5.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Antimony	0.94	J	1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Arsenic	5.9		1.0	0.10	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Barium	31.8		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Beryllium	0.58		0.40	0.057	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Cadmium	0.19	J	1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Calcium	11800		101	41.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Chromium	14.6		2.0	0.92	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Cobalt	3.8		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Copper	48.3		2.0	0.37	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Iron	14300		60.5	20.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Lead	72.6		0.60	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Magnesium	7430		101	10.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Manganese	66.6		4.0	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Nickel	18.5		2.0	0.47	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Potassium	968		101	16.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Selenium	0.29	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Silver	0.18	J	0.40	0.090	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Sodium	51.6	J	101	46.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Thallium	0.40	U	0.40	0.041	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Vanadium	18.7		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1
Zinc	111		8.1	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:31	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023		0.018	0.0086	mg/Kg	☼	04/10/25 01:24	04/10/25 06:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	8.2		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	91.8		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14D_0-9

Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7

Matrix: Solid
Percent Solids: 93.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.35	U	0.35	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
1,2,4,5-Tetrachlorobenzene	0.35	U	0.35	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
1,4-Dioxane	0.035	U	0.035	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,2'-oxybis[1-chloropropane]	0.35	U	0.35	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,3,4,6-Tetrachlorophenol	0.35	U	0.35	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4,5-Trichlorophenol	0.35	U	0.35	0.036	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.045	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4-Dimethylphenol	0.35	U	0.35	0.042	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4-Dinitrophenol	0.28	U	0.28	0.17	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,4-Dinitrotoluene	0.071	U	0.071	0.038	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2,6-Dinitrotoluene	0.071	U	0.071	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1

Client Sample ID: 14D_0-9
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.35	U	0.35	0.045	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2-Chlorophenol	0.35	U	0.35	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2-Methylnaphthalene	0.35	U	0.35	0.0099	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2-Methylphenol	0.35	U	0.35	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2-Nitroaniline	0.35	U	0.35	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
2-Nitrophenol	0.35	U	0.35	0.035	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
3 & 4 Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.053	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
3-Nitroaniline	0.35	U	0.35	0.084	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4,6-Dinitro-2-methylphenol	0.28	U	0.28	0.14	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Bromophenyl phenyl ether	0.35	U	0.35	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Chloro-3-methylphenol	0.35	U	0.35	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Chloroaniline	0.35	U	0.35	0.063	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Chlorophenyl phenyl ether	0.35	U	0.35	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Methylphenol	0.35	U	0.35	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Nitroaniline	0.35	U	0.35	0.090	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
4-Nitrophenol	0.71	U	0.71	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Acenaphthene	0.35	U	0.35	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Acenaphthylene	0.35	U	0.35	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Acetophenone	0.35	U	0.35	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Anthracene	0.35	U	0.35	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Atrazine	0.14	U *	0.14	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzaldehyde	0.35	U *	0.35	0.058	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzo[a]anthracene	0.035	U	0.035	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzo[a]pyrene	0.035	U	0.035	0.0094	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzo[b]fluoranthene	0.035	U	0.035	0.0091	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzo[g,h,i]perylene	0.35	U *	0.35	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Benzo[k]fluoranthene	0.035	U	0.035	0.0069	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Bis(2-chloroethoxy)methane	0.35	U	0.35	0.065	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Bis(2-chloroethyl)ether	0.035	U	0.035	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Bis(2-ethylhexyl) phthalate	0.35	U	0.35	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Butyl benzyl phthalate	0.35	U	0.35	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Caprolactam	0.35	U *	0.35	0.055	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Carbazole	0.35	U	0.35	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Chrysene	0.35	U	0.35	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Dibenz(a,h)anthracene	0.035	U	0.035	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Dibenzofuran	0.35	U	0.35	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Diethyl phthalate	0.35	U	0.35	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Dimethyl phthalate	0.35	U	0.35	0.080	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Di-n-butyl phthalate	**0.11**	**J**	0.35	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Di-n-octyl phthalate	0.35	U	0.35	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Fluoranthene	0.35	U	0.35	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Fluorene	0.35	U	0.35	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Hexachlorobenzene	0.035	U	0.035	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Hexachlorobutadiene	0.071	U	0.071	0.0075	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Hexachlorocyclopentadiene	0.35	U	0.35	0.031	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Hexachloroethane	0.035	U	0.035	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Indeno[1,2,3-cd]pyrene	0.035	U	0.035	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1

Client Sample ID: 14D_0-9

Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7

Matrix: Solid
Percent Solids: 93.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.35	U	0.35	0.0061	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Nitrobenzene	0.035	U	0.035	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
N-Nitrosodi-n-propylamine	0.035	U	0.035	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
N-Nitrosodiphenylamine	0.35	U	0.35	0.029	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Pentachlorophenol	0.28	U	0.28	0.072	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Phenanthrene	0.35	U	0.35	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Phenol	0.35	U	0.35	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1
Pyrene	0.35	U	0.35	0.0088	mg/Kg	☼	04/08/25 10:12	04/09/25 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*04/08/25 10:12*	*04/09/25 01:42*	*1*
2-Fluorobiphenyl	*81*		*38 - 128*	*04/08/25 10:12*	*04/09/25 01:42*	*1*
2-Fluorophenol (Surr)	*83*		*31 - 133*	*04/08/25 10:12*	*04/09/25 01:42*	*1*
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*	*04/08/25 10:12*	*04/09/25 01:42*	*1*
Phenol-d5 (Surr)	*83*		*35 - 132*	*04/08/25 10:12*	*04/09/25 01:42*	*1*
Terphenyl-d14 (Surr)	*86*		*44 - 147*	*04/08/25 10:12*	*04/09/25 01:42*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0072	U	0.0072	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
4,4'-DDE	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
4,4'-DDT	0.0072	U	0.0072	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Aldrin	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
alpha-BHC	0.0021	U	0.0021	0.00073	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
beta-BHC	0.0021	U	0.0021	0.00080	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Chlordane (technical)	0.072	U	0.072	0.017	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
cis-Chlordane	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
delta-BHC	0.0021	U	0.0021	0.00044	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Dieldrin	0.0021	U	0.0021	0.00093	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endosulfan I	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endosulfan II	0.0072	U	0.0072	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endosulfan sulfate	0.0072	U	0.0072	0.00090	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endrin	0.0072	U	0.0072	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endrin aldehyde	0.0072	U	0.0072	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Endrin ketone	0.0072	U	0.0072	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
gamma-BHC (Lindane)	0.0021	U	0.0021	0.00066	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Heptachlor	0.0072	U	0.0072	0.00085	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Heptachlor epoxide	0.0072	U	0.0072	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Methoxychlor	0.0072	U	0.0072	0.0016	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1
Toxaphene	0.072	U	0.072	0.026	mg/Kg	☼	04/08/25 10:43	04/09/25 00:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*66*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:37*	*1*
DCB Decachlorobiphenyl	*65*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:37*	*1*
Tetrachloro-m-xylene	*68*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:37*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1

Client Sample ID: 14D_0-9
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7
Matrix: Solid
Percent Solids: 93.5

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1221	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1232	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1242	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1248	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1254	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1260	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor-1262	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Aroclor 1268	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1
Polychlorinated biphenyls, Total	0.072	U	0.072	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*20 - 150*	*04/08/25 10:47*	*04/08/25 20:48*	*1*
DCB Decachlorobiphenyl	*80*		*20 - 150*	*04/08/25 10:47*	*04/08/25 20:48*	*1*
Tetrachloro-m-xylene	*85*		*20 - 150*	*04/08/25 10:47*	*04/08/25 20:48*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*04/08/25 10:47*	*04/08/25 20:48*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoropentanoic acid (PFPeA)	0.26	U	0.26	0.066	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorohexanoic acid (PFHxA)	**0.037**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoroheptanoic acid (PFHpA)	**0.084**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorononanoic acid (PFNA)	**0.75**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorodecanoic acid (PFDA)	**0.82**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoroundecanoic acid (PFUnA)	**1.93**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorododecanoic acid (PFDoA)	**0.38**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorotridecanoic acid (PFTrDA)	**1.34**		0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorotetradecanoic acid (PFTeDA)	**0.076**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorooctanesulfonic acid (PFOS)	**0.066**	**J**	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**1.22**		0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1

Client Sample ID: 14D_0-9
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7
Matrix: Solid
Percent Solids: 93.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.32	U	1.32	0.33	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.32	U	1.32	0.33	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.26	U	0.26	0.066	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.26	U	0.26	0.066	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.53	U	0.53	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.26	U	0.26	0.066	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.66	U	0.66	0.16	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.29	U	3.29	0.82	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.29	U	3.29	0.82	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.033	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.26	U	0.26	0.066	ug/Kg	☼	04/08/25 14:24	04/10/25 00:10	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C5 PFPeA	*104*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C5 PFHxA	*93.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C4 PFHpA	*112*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C8 PFOA	*85.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C9 PFNA	*91.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C6 PFDA	*86.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C7 PFUnA	*142*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C2 PFTeDA	*77.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C3 PFBS	*95.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C3 PFHxS	*77.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C8 PFOS	*89.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C8 FOSA	*90.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
d3-NMeFOSAA	*93.3*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
d5-NEtFOSAA	*88.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
M2-4:2 FTS	*86.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
M2-6:2 FTS	*84.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
M2-8:2 FTS	*79.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*
13C3 HFPO-DA	*102*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:10*	*1*

Client Sample ID: 14D_0-9

Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7

Matrix: Solid
Percent Solids: 93.5

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d7-N-MeFOSE-M	64.7		20 - 150	04/08/25 14:24	04/10/25 00:10	1
d9-N-EtFOSE-M	55.5		20 - 150	04/08/25 14:24	04/10/25 00:10	1
d5-NEtPFOSA	65.3		20 - 150	04/08/25 14:24	04/10/25 00:10	1
d3-NMePFOSA	80.0		20 - 150	04/08/25 14:24	04/10/25 00:10	1
13C2-PFDoDA	80.1		20 - 150	04/08/25 14:24	04/10/25 00:10	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5120		20.0	5.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Antimony	1.0		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Arsenic	7.5		1.0	0.10	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Barium	28.9		2.0	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Beryllium	0.61		0.40	0.057	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Cadmium	0.21	J	1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Calcium	4540		100	40.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Chromium	16.3		2.0	0.91	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Cobalt	6.3		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Copper	53.0		2.0	0.37	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Iron	18200		60.0	20.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Lead	363		0.60	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Magnesium	3500		100	10.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Manganese	120		4.0	0.40	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Nickel	21.4		2.0	0.47	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Potassium	1240		100	16.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Selenium	0.31	J	1.2	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Silver	0.21	J	0.40	0.089	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Sodium	53.1	J	100	45.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Thallium	0.043	J	0.40	0.041	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Vanadium	21.4		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1
Zinc	143		8.0	3.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.018	0.0086	mg/Kg	☼	04/10/25 01:24	04/10/25 06:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	6.5		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	93.5		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14D_9-8

Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8

Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
1,2,4,5-Tetrachlorobenzene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,2'-oxybis[1-chloropropane]	0.37	U	0.37	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,3,4,6-Tetrachlorophenol	0.37	U	0.37	0.025	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,4-Dimethylphenol	0.37	U	0.37	0.044	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Chloronaphthalene	0.37	U	0.37	0.047	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Chlorophenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Methylnaphthalene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Nitroaniline	0.37	U	0.37	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
2-Nitrophenol	0.37	U	0.37	0.037	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
3-Nitroaniline	0.37	U	0.37	0.087	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Bromophenyl phenyl ether	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Chloro-3-methylphenol	0.37	U	0.37	0.021	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Chloroaniline	0.37	U	0.37	0.065	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Chlorophenyl phenyl ether	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Nitroaniline	0.37	U	0.37	0.093	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
4-Nitrophenol	0.74	U	0.74	0.060	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Acetophenone	0.37	U	0.37	0.018	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Atrazine	0.15	U *	0.15	0.022	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzaldehyde	0.37	U *	0.37	0.061	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzo[a]anthracene	0.037	U	0.037	0.028	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzo[a]pyrene	0.037	U	0.037	0.0098	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzo[b]fluoranthene	0.037	U	0.037	0.0095	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzo[g,h,i]perylene	0.37	U *	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Benzo[k]fluoranthene	0.037	U	0.037	0.0072	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Bis(2-chloroethoxy)methane	0.37	U	0.37	0.068	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Bis(2-chloroethyl)ether	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Bis(2-ethylhexyl) phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Butyl benzyl phthalate	0.37	U	0.37	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Caprolactam	0.37	U *	0.37	0.057	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Carbazole	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Chrysene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Diethyl phthalate	0.37	U	0.37	0.012	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Dimethyl phthalate	0.37	U	0.37	0.083	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Di-n-butyl phthalate	0.37	U	0.37	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Di-n-octyl phthalate	0.37	U	0.37	0.019	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Fluoranthene	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Hexachlorobutadiene	0.074	U	0.074	0.0078	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Hexachlorocyclopentadiene	0.37	U	0.37	0.032	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Hexachloroethane	0.037	U	0.037	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Indeno[1,2,3-cd]pyrene	0.037	U	0.037	0.014	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Naphthalene	0.37	U	0.37	0.0063	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Nitrobenzene	0.037	U	0.037	0.020	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
N-Nitrosodi-n-propylamine	0.037	U	0.037	0.027	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
N-Nitrosodiphenylamine	0.37	U	0.37	0.030	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Phenanthrene	0.37	U	0.37	0.015	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1
Pyrene	0.37	U	0.37	0.0091	mg/Kg	☼	04/08/25 10:12	04/09/25 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*57*		*24 - 137*	*04/08/25 10:12*	*04/09/25 13:48*	*1*
2-Fluorobiphenyl	*61*		*38 - 128*	*04/08/25 10:12*	*04/09/25 13:48*	*1*
2-Fluorophenol (Surr)	*60*		*31 - 133*	*04/08/25 10:12*	*04/09/25 13:48*	*1*
Nitrobenzene-d5 (Surr)	*58*		*31 - 120*	*04/08/25 10:12*	*04/09/25 13:48*	*1*
Phenol-d5 (Surr)	*58*		*35 - 132*	*04/08/25 10:12*	*04/09/25 13:48*	*1*
Terphenyl-d14 (Surr)	*65*		*44 - 147*	*04/08/25 10:12*	*04/09/25 13:48*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
4,4'-DDE	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endosulfan sulfate	0.0074	U	0.0074	0.00093	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endrin aldehyde	0.0074	U	0.0074	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Heptachlor	0.0074	U	0.0074	0.00088	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/08/25 10:43	04/09/25 02:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*99*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:03*	*1*

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid
Percent Solids: 90.1

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:03*	*1*
Tetrachloro-m-xylene	*92*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:03*	*1*
Tetrachloro-m-xylene	*90*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:03*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:45*	*1*
DCB Decachlorobiphenyl	*112*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:45*	*1*
Tetrachloro-m-xylene	*115*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:45*	*1*
Tetrachloro-m-xylene	*134*		*20 - 150*	*04/08/25 10:47*	*04/08/25 22:45*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoropentanoic acid (PFPeA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorohexanoic acid (PFHxA)	**0.038**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoroheptanoic acid (PFHpA)	**0.035**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorooctanoic acid (PFOA)	**0.055**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorononanoic acid (PFNA)	**0.25**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorodecanoic acid (PFDA)	**0.25**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoroundecanoic acid (PFUnA)	**0.86**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorododecanoic acid (PFDoA)	**0.27**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorotridecanoic acid (PFTrDA)	**1.21**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorotetradecanoic acid (PFTeDA)	**0.061**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorooctanesulfonic acid (PFOS)	**0.036**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.49**	**J**	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U	1.38	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U	0.55	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.45	U	3.45	0.86	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.45	U	3.45	0.86	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C5 PFPeA	*101*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C5 PFHxA	*88.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C4 PFHpA	*108*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C8 PFOA	*85.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C9 PFNA	*92.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C6 PFDA	*88.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C7 PFUnA	*145*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C2 PFTeDA	*82.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C3 PFBS	*95.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*
13C3 PFHxS	*76.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:26*	*1*

Client Sample ID: 14D_9-8

Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8

Matrix: Solid
Percent Solids: 90.1

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 PFOS	90.0		20 - 150	04/08/25 14:24	04/10/25 00:26	1
13C8 FOSA	93.0		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d3-NMeFOSAA	94.8		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d5-NEtFOSAA	91.0		20 - 150	04/08/25 14:24	04/10/25 00:26	1
M2-4:2 FTS	84.5		20 - 150	04/08/25 14:24	04/10/25 00:26	1
M2-6:2 FTS	87.1		20 - 150	04/08/25 14:24	04/10/25 00:26	1
M2-8:2 FTS	80.7		20 - 150	04/08/25 14:24	04/10/25 00:26	1
13C3 HFPO-DA	99.6		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d7-N-MeFOSE-M	70.2		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d9-N-EtFOSE-M	62.0		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d5-NEtPFOSA	70.7		20 - 150	04/08/25 14:24	04/10/25 00:26	1
d3-NMePFOSA	84.4		20 - 150	04/08/25 14:24	04/10/25 00:26	1
13C2-PFDoDA	85.2		20 - 150	04/08/25 14:24	04/10/25 00:26	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5780		20.2	5.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Antimony	1.1		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Arsenic	7.9		1.0	0.10	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Barium	37.0		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Beryllium	0.54		0.40	0.058	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Cadmium	0.24	J	1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Calcium	1080		101	41.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Chromium	19.2		2.0	0.92	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Cobalt	4.9		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Copper	43.4		2.0	0.37	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Iron	21500		60.5	20.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Lead	138		0.61	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Magnesium	1680		101	10.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Manganese	156		4.0	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Nickel	14.5		2.0	0.47	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Potassium	1180		101	16.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Selenium	0.25	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Silver	0.14	J	0.40	0.090	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Sodium	77.0	J	101	46.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Thallium	0.065	J	0.40	0.041	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Vanadium	21.0		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1
Zinc	104		8.1	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.0078	mg/Kg	☼	04/10/25 01:24	04/10/25 06:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.9		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	90.1		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14E_0-9
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
4-Nitrophenol	0.73	U	0.73	0.059	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1

Client Sample ID: 14E_0-9

Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9

Matrix: Solid
Percent Solids: 90.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Hexachlorobutadiene	0.073	U	0.073	0.0077	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1
Pyrene	0.36	U	0.36	0.0090	mg/Kg	☼	04/07/25 21:51	04/08/25 09:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*04/07/25 21:51*	*04/08/25 09:11*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*04/07/25 21:51*	*04/08/25 09:11*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*04/07/25 21:51*	*04/08/25 09:11*	*1*
Nitrobenzene-d5 (Surr)	*74*		*31 - 120*	*04/07/25 21:51*	*04/08/25 09:11*	*1*
Phenol-d5 (Surr)	*70*		*35 - 132*	*04/07/25 21:51*	*04/08/25 09:11*	*1*
Terphenyl-d14 (Surr)	*80*		*44 - 147*	*04/07/25 21:51*	*04/08/25 09:11*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0074	U	0.0074	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
4,4'-DDE	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
4,4'-DDT	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Aldrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
alpha-BHC	0.0022	U	0.0022	0.00075	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Chlordane (technical)	0.074	U	0.074	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
cis-Chlordane	0.0074	U	0.0074	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
delta-BHC	0.0022	U	0.0022	0.00045	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Dieldrin	0.0022	U	0.0022	0.00096	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endosulfan I	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endosulfan II	0.0074	U	0.0074	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endosulfan sulfate	0.0074	U	0.0074	0.00092	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endrin	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endrin aldehyde	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Endrin ketone	0.0074	U	0.0074	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00068	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Heptachlor	0.0074	U	0.0074	0.00087	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Heptachlor epoxide	0.0074	U	0.0074	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1

Client Sample ID: 14E_0-9
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9
Matrix: Solid
Percent Solids: 90.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0074	U	0.0074	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1
Toxaphene	0.074	U	0.074	0.027	mg/Kg	☼	04/08/25 10:43	04/09/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:16*	*1*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:16*	*1*
Tetrachloro-m-xylene	*77*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:16*	*1*
Tetrachloro-m-xylene	*74*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:16*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1221	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1232	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1242	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1248	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1254	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1260	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor-1262	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Aroclor 1268	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1
Polychlorinated biphenyls, Total	0.074	U	0.074	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:01*	*1*
DCB Decachlorobiphenyl	*92*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:01*	*1*
Tetrachloro-m-xylene	*98*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:01*	*1*
Tetrachloro-m-xylene	*114*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:01*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoropentanoic acid (PFPeA)	**0.075**	**J**	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorohexanoic acid (PFHxA)	**0.061**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoroheptanoic acid (PFHpA)	**0.074**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorononanoic acid (PFNA)	**0.55**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorodecanoic acid (PFDA)	**0.61**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoroundecanoic acid (PFUnA)	**1.98**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorododecanoic acid (PFDoA)	**0.44**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorotridecanoic acid (PFTrDA)	**1.44**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorotetradecanoic acid (PFTeDA)	**0.082**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1

Client Sample ID: 14E_0-9
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9
Matrix: Solid
Percent Solids: 90.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	**0.086**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	**0.15**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.97**		0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.39	U	1.39	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U	0.69	0.17	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.47	U	3.47	0.87	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.069	ug/Kg	☼	04/08/25 14:24	04/10/25 00:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*92.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C5 PFHxA	*92.3*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C4 PFHpA	*111*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C8 PFOA	*86.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C9 PFNA	*93.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*
13C6 PFDA	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 00:43*	*1*

Client Sample ID: 14E_0-9

Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9

Matrix: Solid
Percent Solids: 90.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C7 PFUnA	147		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C2 PFTeDA	55.3		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C3 PFBS	91.9		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C3 PFHxS	74.8		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C8 PFOS	90.5		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C8 FOSA	96.8		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d3-NMeFOSAA	91.4		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d5-NEtFOSAA	86.5		20 - 150	04/08/25 14:24	04/10/25 00:43	1
M2-4:2 FTS	85.4		20 - 150	04/08/25 14:24	04/10/25 00:43	1
M2-6:2 FTS	83.7		20 - 150	04/08/25 14:24	04/10/25 00:43	1
M2-8:2 FTS	80.2		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C3 HFPO-DA	103		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d7-N-MeFOSE-M	64.7		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d9-N-EtFOSE-M	57.1		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d5-NEtPFOSA	69.0		20 - 150	04/08/25 14:24	04/10/25 00:43	1
d3-NMePFOSA	87.8		20 - 150	04/08/25 14:24	04/10/25 00:43	1
13C2-PFDoDA	78.8		20 - 150	04/08/25 14:24	04/10/25 00:43	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7180		20.4	5.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Antimony	0.68	J	1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Arsenic	5.8		1.0	0.10	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Barium	49.3		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Beryllium	0.75		0.41	0.058	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Cadmium	0.21	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Calcium	1990		102	41.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Chromium	20.1		2.0	0.93	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Cobalt	7.7		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Copper	48.5		2.0	0.37	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Iron	19000		61.1	20.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Lead	111		0.61	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Magnesium	2800		102	10.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Manganese	284		4.1	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Nickel	23.9		2.0	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Potassium	1270		102	16.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Selenium	0.29	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Silver	0.15	J	0.41	0.091	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Sodium	68.9	J	102	46.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Thallium	0.086	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Vanadium	22.9		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1
Zinc	125		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018		0.017	0.0079	mg/Kg	☼	04/10/25 01:24	04/10/25 06:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	9.1		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14E_0-9

Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9

Matrix: Solid
Percent Solids: 90.9

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	90.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14E_9-18

Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10

Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
1,4-Dioxane	0.036	U	0.036	0.031	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.024	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4,6-Trichlorophenol	0.14	U	0.14	0.046	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4-Dichlorophenol	0.14	U	0.14	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,4-Dinitrotoluene	0.073	U	0.073	0.039	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2,6-Dinitrotoluene	0.073	U	0.073	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Chloronaphthalene	0.36	U	0.36	0.046	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Methylphenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Nitroaniline	0.36	U	0.36	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
3 & 4 Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
3,3'-Dichlorobenzidine	0.14	U	0.14	0.054	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
3-Nitroaniline	0.36	U	0.36	0.085	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Chloroaniline	0.36	U	0.36	0.064	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Methylphenol	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Nitroaniline	0.36	U	0.36	0.091	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
4-Nitrophenol	0.73	U	0.73	0.058	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Atrazine	0.14	U	0.14	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzaldehyde	0.36	U	0.36	0.059	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzo[a]pyrene	0.036	U	0.036	0.0096	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzo[b]fluoranthene	0.036	U	0.036	0.0093	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0070	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.066	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1

Client Sample ID: 14E_9-18
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Caprolactam	0.36	U	0.36	0.056	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Dimethyl phthalate	0.36	U	0.36	0.082	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Fluorene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Hexachlorobutadiene	0.073	U	0.073	0.0076	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.031	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Isophorone	0.14	U	0.14	0.10	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Naphthalene	0.36	U	0.36	0.0062	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Pentachlorophenol	0.29	U	0.29	0.074	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1
Pyrene	0.36	U	0.36	0.0089	mg/Kg	☼	04/07/25 21:51	04/08/25 09:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*04/07/25 21:51*	*04/08/25 09:29*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*04/07/25 21:51*	*04/08/25 09:29*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*04/07/25 21:51*	*04/08/25 09:29*	*1*
Nitrobenzene-d5 (Surr)	*75*		*31 - 120*	*04/07/25 21:51*	*04/08/25 09:29*	*1*
Phenol-d5 (Surr)	*69*		*35 - 132*	*04/07/25 21:51*	*04/08/25 09:29*	*1*
Terphenyl-d14 (Surr)	*80*		*44 - 147*	*04/07/25 21:51*	*04/08/25 09:29*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0073	U	0.0073	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
4,4'-DDE	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
4,4'-DDT	0.0073	U	0.0073	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Aldrin	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
alpha-BHC	0.0022	U	0.0022	0.00074	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
beta-BHC	0.0022	U	0.0022	0.00081	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Chlordane (technical)	0.073	U	0.073	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
cis-Chlordane	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
delta-BHC	0.0022	U	0.0022	0.00044	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Dieldrin	0.0022	U	0.0022	0.00094	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Endosulfan I	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Endosulfan II	0.0073	U	0.0073	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1

Client Sample ID: 14E_9-18
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10
Matrix: Solid
Percent Solids: 92.2

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	0.0073	U	0.0073	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Endrin	0.0073	U	0.0073	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Endrin aldehyde	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Endrin ketone	0.0073	U	0.0073	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00067	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Heptachlor	0.0073	U	0.0073	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Heptachlor epoxide	0.0073	U	0.0073	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Methoxychlor	0.0073	U	0.0073	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1
Toxaphene	0.073	U	0.073	0.026	mg/Kg	☼	04/08/25 10:43	04/09/25 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:28*	*1*
DCB Decachlorobiphenyl	*67*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:28*	*1*
Tetrachloro-m-xylene	*76*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:28*	*1*
Tetrachloro-m-xylene	*73*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1221	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1232	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1242	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1248	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1254	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1260	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor-1262	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Aroclor 1268	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1
Polychlorinated biphenyls, Total	0.073	U	0.073	0.019	mg/Kg	☼	04/08/25 10:47	04/08/25 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*73*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:19*	*1*
DCB Decachlorobiphenyl	*76*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:19*	*1*
Tetrachloro-m-xylene	*89*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:19*	*1*
Tetrachloro-m-xylene	*102*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:19*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorohexanoic acid (PFHxA)	**0.037**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoroheptanoic acid (PFHpA)	**0.061**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorooctanoic acid (PFOA)	**0.087**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorononanoic acid (PFNA)	**0.55**		0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorodecanoic acid (PFDA)	**0.77**		0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoroundecanoic acid (PFUnA)	**1.70**		0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorododecanoic acid (PFDoA)	**0.48**		0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorotridecanoic acid (PFTrDA)	**1.61**		0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1

Client Sample ID: 14E_9-18
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10
Matrix: Solid
Percent Solids: 92.2

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorotetradecanoic acid (PFTeDA)	**0.097**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorooctanesulfonic acid (PFOS)	**0.065**	**J**	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**1.14**		0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.34	U	1.34	0.34	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.34	U	1.34	0.34	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.54	U	0.54	0.13	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.67	U	0.67	0.17	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.36	U	3.36	0.84	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.36	U	3.36	0.84	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.034	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.27	U	0.27	0.067	ug/Kg	☼	04/08/25 14:24	04/10/25 01:00	1

Client Sample ID: 14E_9-18

Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10

Matrix: Solid
Percent Solids: 92.2

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93.9		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C5 PFPeA	108		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C5 PFHxA	93.3		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C4 PFHpA	112		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C8 PFOA	85.3		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C9 PFNA	95.4		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C6 PFDA	93.2		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C7 PFUnA	158	*	20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C2 PFTeDA	85.2		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C3 PFBS	95.3		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C3 PFHxS	75.5		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C8 PFOS	93.1		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C8 FOSA	94.8		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d3-NMeFOSAA	102		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d5-NEtFOSAA	103		20 - 150	04/08/25 14:24	04/10/25 01:00	1
M2-4:2 FTS	96.4		20 - 150	04/08/25 14:24	04/10/25 01:00	1
M2-6:2 FTS	96.1		20 - 150	04/08/25 14:24	04/10/25 01:00	1
M2-8:2 FTS	83.5		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C3 HFPO-DA	104		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d7-N-MeFOSE-M	70.3		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d9-N-EtFOSE-M	62.5		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d5-NEtPFOSA	71.5		20 - 150	04/08/25 14:24	04/10/25 01:00	1
d3-NMePFOSA	83.7		20 - 150	04/08/25 14:24	04/10/25 01:00	1
13C2-PFDoDA	91.2		20 - 150	04/08/25 14:24	04/10/25 01:00	1

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8860		20.5	5.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Antimony	2.9		1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Arsenic	8.8		1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Barium	83.5		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Beryllium	0.87		0.41	0.058	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Cadmium	0.43	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Calcium	10100		102	41.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Chromium	30.5		2.0	0.93	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Cobalt	8.0		2.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Copper	214		2.0	0.38	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Iron	20700		61.4	20.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Lead	181		0.61	0.20	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Magnesium	2430		102	10.4	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Manganese	1030		4.1	0.41	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Nickel	49.1		2.0	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Potassium	2550		102	16.6	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Selenium	0.62	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Silver	0.56		0.41	0.091	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Sodium	356		102	46.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Thallium	0.061	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Vanadium	26.9		2.0	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1
Zinc	197		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:41	1

Client Sample ID: 14E_9-18

Lab Sample ID: 460-323536-10

Date Collected: 04/04/25 09:30
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 92.2

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.017	0.0079	mg/Kg	☼	04/10/25 01:24	04/10/25 06:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	7.8		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	92.2		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14F_0-5

Lab Sample ID: 460-323536-11

Date Collected: 04/04/25 09:40
Matrix: Solid
Date Received: 04/04/25 18:30
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
1,2,4,5-Tetrachlorobenzene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,2'-oxybis[1-chloropropane]	0.36	U	0.36	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,3,4,6-Tetrachlorophenol	0.36	U	0.36	0.025	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4,5-Trichlorophenol	0.36	U	0.36	0.037	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.047	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4-Dichlorophenol	0.15	U	0.15	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4-Dimethylphenol	0.36	U	0.36	0.043	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4-Dinitrophenol	0.29	U	0.29	0.18	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,4-Dinitrotoluene	0.074	U	0.074	0.039	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2,6-Dinitrotoluene	0.074	U	0.074	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Chloronaphthalene	0.36	U	0.36	0.047	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Chlorophenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Methylnaphthalene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Nitroaniline	0.36	U	0.36	0.028	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
2-Nitrophenol	0.36	U	0.36	0.036	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.055	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
3-Nitroaniline	0.36	U	0.36	0.086	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4,6-Dinitro-2-methylphenol	0.29	U	0.29	0.15	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Bromophenyl phenyl ether	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Chloro-3-methylphenol	0.36	U	0.36	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Chloroaniline	0.36	U	0.36	0.065	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Chlorophenyl phenyl ether	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Nitroaniline	0.36	U	0.36	0.092	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
4-Nitrophenol	0.74	U	0.74	0.059	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Acenaphthene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Acenaphthylene	0.36	U	0.36	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Acetophenone	0.36	U	0.36	0.018	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Anthracene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Atrazine	0.15	U	0.15	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Benzaldehyde	0.36	U	0.36	0.060	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Benzo[a]anthracene	0.036	U	0.036	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Benzo[a]pyrene	0.036	U	0.036	0.0097	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1

Client Sample ID: 14F_0-5
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	0.036	U	0.036	0.0094	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Benzo[g,h,i]perylene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Benzo[k]fluoranthene	0.036	U	0.036	0.0071	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Bis(2-chloroethoxy)methane	0.36	U	0.36	0.067	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Bis(2-chloroethyl)ether	0.036	U	0.036	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Bis(2-ethylhexyl) phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Butyl benzyl phthalate	0.36	U	0.36	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Caprolactam	0.36	U	0.36	0.057	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Carbazole	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Chrysene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Dibenz(a,h)anthracene	0.036	U	0.036	0.016	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Dibenzofuran	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Diethyl phthalate	0.36	U	0.36	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Dimethyl phthalate	0.36	U	0.36	0.083	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Di-n-butyl phthalate	0.36	U	0.36	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Di-n-octyl phthalate	0.36	U	0.36	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Fluoranthene	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Fluorene	0.36	U	0.36	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Hexachlorobutadiene	0.074	U	0.074	0.0077	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Hexachlorocyclopentadiene	0.36	U	0.36	0.032	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Hexachloroethane	0.036	U	0.036	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Indeno[1,2,3-cd]pyrene	0.036	U	0.036	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Naphthalene	0.36	U	0.36	0.0063	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Nitrobenzene	0.036	U	0.036	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
N-Nitrosodi-n-propylamine	0.036	U	0.036	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
N-Nitrosodiphenylamine	0.36	U	0.36	0.030	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Phenanthrene	0.36	U	0.36	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1
Pyrene	0.36	U	0.36	0.0091	mg/Kg	☼	04/07/25 21:51	04/08/25 09:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*24 - 137*	*04/07/25 21:51*	*04/08/25 09:46*	*1*
2-Fluorobiphenyl	*75*		*38 - 128*	*04/07/25 21:51*	*04/08/25 09:46*	*1*
2-Fluorophenol (Surr)	*71*		*31 - 133*	*04/07/25 21:51*	*04/08/25 09:46*	*1*
Nitrobenzene-d5 (Surr)	*73*		*31 - 120*	*04/07/25 21:51*	*04/08/25 09:46*	*1*
Phenol-d5 (Surr)	*69*		*35 - 132*	*04/07/25 21:51*	*04/08/25 09:46*	*1*
Terphenyl-d14 (Surr)	*79*		*44 - 147*	*04/07/25 21:51*	*04/08/25 09:46*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0075	U	0.0075	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
4,4'-DDE	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
4,4'-DDT	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Aldrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
alpha-BHC	0.0022	U	0.0022	0.00076	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
beta-BHC	0.0022	U	0.0022	0.00083	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Chlordane (technical)	0.075	U	0.075	0.018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1

Client Sample ID: 14F_0-5
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11
Matrix: Solid
Percent Solids: 89.9

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	0.0075	U	0.0075	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
delta-BHC	0.0022	U	0.0022	0.00046	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Dieldrin	0.0022	U	0.0022	0.00097	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endosulfan I	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endosulfan II	0.0075	U	0.0075	0.0019	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endosulfan sulfate	0.0075	U	0.0075	0.00093	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endrin	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endrin aldehyde	0.0075	U	0.0075	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Endrin ketone	0.0075	U	0.0075	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
gamma-BHC (Lindane)	0.0022	U	0.0022	0.00069	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Heptachlor	0.0075	U	0.0075	0.00088	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Heptachlor epoxide	0.0075	U	0.0075	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Methoxychlor	0.0075	U	0.0075	0.0017	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1
Toxaphene	0.075	U	0.075	0.027	mg/Kg	☼	04/08/25 10:43	04/09/25 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:52*	*1*
DCB Decachlorobiphenyl	*73*		*17 - 150*	*04/08/25 10:43*	*04/09/25 02:52*	*1*
Tetrachloro-m-xylene	*85*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:52*	*1*
Tetrachloro-m-xylene	*83*		*21 - 150*	*04/08/25 10:43*	*04/09/25 02:52*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1221	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1232	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1242	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1248	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1254	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1260	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor-1262	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Aroclor 1268	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1
Polychlorinated biphenyls, Total	0.075	U	0.075	0.020	mg/Kg	☼	04/08/25 10:47	04/08/25 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:35*	*1*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:35*	*1*
Tetrachloro-m-xylene	*106*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:35*	*1*
Tetrachloro-m-xylene	*120*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:35*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoropentanoic acid (PFPeA)	**0.23**	**J**	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorohexanoic acid (PFHxA)	**0.20**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoroheptanoic acid (PFHpA)	**0.28**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorooctanoic acid (PFOA)	**0.45**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorononanoic acid (PFNA)	**0.99**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorodecanoic acid (PFDA)	**0.51**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoroundecanoic acid (PFUnA)	**2.72**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1

Client Sample ID: 14F_0-5
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11
Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorododecanoic acid (PFDoA)	**0.28**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorotridecanoic acid (PFTrDA)	**3.29**		0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorotetradecanoic acid (PFTeDA)	**0.070**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorooctanesulfonic acid (PFOS)	**0.046**	**J**	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.34**	**J**	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluorooctanesulfonamide (PFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.40	U	1.40	0.35	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.56	U	0.56	0.14	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.70	U	0.70	0.18	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.51	U	3.51	0.88	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1

Client Sample ID: 14F_0-5

Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11

Matrix: Solid
Percent Solids: 89.9

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	0.14	U	0.14	0.035	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U	0.28	0.070	ug/Kg	☼	04/08/25 14:24	04/10/25 01:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C5 PFHxA	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C4 PFHpA	*113*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C8 PFOA	*84.1*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C9 PFNA	*91.1*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C6 PFDA	*91.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C7 PFUnA	*156*	*	*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C2 PFTeDA	*91.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C3 PFBS	*96.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C3 PFHxS	*78.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C8 PFOS	*90.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C8 FOSA	*96.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d3-NMeFOSAA	*98.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d5-NEtFOSAA	*96.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
M2-4:2 FTS	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
M2-6:2 FTS	*93.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
M2-8:2 FTS	*80.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C3 HFPO-DA	*102*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d7-N-MeFOSE-M	*71.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d9-N-EtFOSE-M	*64.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d5-NEtPFOSA	*71.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
d3-NMePFOSA	*81.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*
13C2-PFDoDA	*90.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:16*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7310**		20.6	5.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Antimony	**0.91**	J	1.0	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Arsenic	**6.7**		1.0	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Barium	**50.8**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Beryllium	**0.69**		0.41	0.059	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Cadmium	**0.26**	J	1.0	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Calcium	**1130**		103	41.9	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Chromium	**21.6**		2.1	0.94	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Cobalt	**8.3**		2.1	0.15	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Copper	**46.9**		2.1	0.38	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Iron	**18900**		61.8	20.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Lead	**159**		0.62	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Magnesium	**2360**		103	10.5	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Manganese	**258**		4.1	0.42	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Nickel	**21.8**		2.1	0.48	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Potassium	**1200**		103	16.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Selenium	**0.40**	J	1.3	0.13	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Silver	**0.21**	J	0.41	0.092	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Sodium	**70.8**	J	103	47.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1

Client Sample ID: 14F_0-5

Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11

Matrix: Solid
Percent Solids: 89.9

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.096	J	0.41	0.042	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Vanadium	23.2		2.1	0.21	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1
Zinc	132		8.2	3.1	mg/Kg	☼	04/11/25 08:00	04/11/25 19:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.030		0.019	0.0089	mg/Kg	☼	04/10/25 01:24	04/10/25 06:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	10.1		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	89.9		1.0	1.0	%			04/08/25 08:30	1

Client Sample ID: 14F_5-10

Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12

Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
1,2,4,5-Tetrachlorobenzene	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
1,4-Dioxane	0.038	U	0.038	0.033	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,2'-oxybis[1-chloropropane]	0.38	U	0.38	0.023	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,3,4,6-Tetrachlorophenol	0.38	U	0.38	0.026	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4,5-Trichlorophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4,6-Trichlorophenol	0.15	U	0.15	0.048	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4-Dichlorophenol	0.15	U	0.15	0.024	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4-Dimethylphenol	0.38	U	0.38	0.045	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4-Dinitrophenol	0.30	U	0.30	0.19	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,4-Dinitrotoluene	0.076	U	0.076	0.041	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2,6-Dinitrotoluene	0.076	U	0.076	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Chloronaphthalene	0.38	U	0.38	0.048	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Chlorophenol	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Methylnaphthalene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Methylphenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Nitroaniline	0.38	U	0.38	0.029	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
2-Nitrophenol	0.38	U	0.38	0.038	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
3 & 4 Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
3,3'-Dichlorobenzidine	0.15	U	0.15	0.057	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
3-Nitroaniline	0.38	U	0.38	0.090	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4,6-Dinitro-2-methylphenol	0.30	U	0.30	0.15	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Bromophenyl phenyl ether	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Chloro-3-methylphenol	0.38	U	0.38	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Chloroaniline	0.38	U	0.38	0.067	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Chlorophenyl phenyl ether	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Methylphenol	0.38	U	0.38	0.024	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Nitroaniline	0.38	U	0.38	0.096	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
4-Nitrophenol	0.76	U	0.76	0.061	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Acenaphthene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Acenaphthylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1

Client Sample ID: 14F_5-10

Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12

Matrix: Solid
Percent Solids: 86.7

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetophenone	0.38	U	0.38	0.019	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Anthracene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Atrazine	0.15	U	0.15	0.022	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzaldehyde	0.38	U	0.38	0.062	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzo[a]anthracene	0.038	U	0.038	0.028	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzo[a]pyrene	0.038	U	0.038	0.010	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzo[b]fluoranthene	0.038	U	0.038	0.0098	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzo[g,h,i]perylene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Benzo[k]fluoranthene	0.038	U	0.038	0.0074	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Bis(2-chloroethoxy)methane	0.38	U	0.38	0.070	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Bis(2-chloroethyl)ether	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Bis(2-ethylhexyl) phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Butyl benzyl phthalate	0.38	U	0.38	0.018	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Caprolactam	0.38	U	0.38	0.059	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Carbazole	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Chrysene	0.38	U	0.38	0.016	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Dibenz(a,h)anthracene	0.038	U	0.038	0.016	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Dibenzofuran	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Diethyl phthalate	0.38	U	0.38	0.012	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Dimethyl phthalate	0.38	U	0.38	0.086	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Di-n-butyl phthalate	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Di-n-octyl phthalate	0.38	U	0.38	0.020	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Fluoranthene	0.38	U	0.38	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Fluorene	0.38	U	0.38	0.011	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Hexachlorobenzene	0.038	U	0.038	0.018	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Hexachlorobutadiene	0.076	U	0.076	0.0080	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Hexachlorocyclopentadiene	0.38	U	0.38	0.033	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Hexachloroethane	0.038	U	0.038	0.013	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.038	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Isophorone	0.15	U	0.15	0.11	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Naphthalene	0.38	U	0.38	0.0065	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Nitrobenzene	0.038	U	0.038	0.021	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
N-Nitrosodi-n-propylamine	0.038	U	0.038	0.027	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
N-Nitrosodiphenylamine	0.38	U	0.38	0.031	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Pentachlorophenol	0.30	U	0.30	0.077	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Phenanthrene	0.38	U	0.38	0.015	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Phenol	0.38	U	0.38	0.014	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1
Pyrene	0.38	U	0.38	0.0094	mg/Kg	☼	04/07/25 21:51	04/08/25 10:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 137*	*04/07/25 21:51*	*04/08/25 10:03*	*1*
2-Fluorobiphenyl	*74*		*38 - 128*	*04/07/25 21:51*	*04/08/25 10:03*	*1*
2-Fluorophenol (Surr)	*70*		*31 - 133*	*04/07/25 21:51*	*04/08/25 10:03*	*1*
Nitrobenzene-d5 (Surr)	*72*		*31 - 120*	*04/07/25 21:51*	*04/08/25 10:03*	*1*
Phenol-d5 (Surr)	*67*		*35 - 132*	*04/07/25 21:51*	*04/08/25 10:03*	*1*
Terphenyl-d14 (Surr)	*77*		*44 - 147*	*04/07/25 21:51*	*04/08/25 10:03*	*1*

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0077	U	0.0077	0.0013	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid
Percent Solids: 86.7

Method: SW846 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
4,4'-DDT	0.0077	U	0.0077	0.0014	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Aldrin	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
alpha-BHC	0.0023	U	0.0023	0.00078	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
beta-BHC	0.0023	U	0.0023	0.00086	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Chlordane (technical)	0.077	U	0.077	0.019	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
cis-Chlordane	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
delta-BHC	0.0023	U	0.0023	0.00047	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Dieldrin	0.0023	U	0.0023	0.0010	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endosulfan I	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endosulfan II	0.0077	U	0.0077	0.0020	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endosulfan sulfate	0.0077	U	0.0077	0.00097	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endrin	0.0077	U	0.0077	0.0011	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endrin aldehyde	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Endrin ketone	0.0077	U	0.0077	0.0015	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
gamma-BHC (Lindane)	0.0023	U	0.0023	0.00071	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Heptachlor	0.0077	U	0.0077	0.00091	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Heptachlor epoxide	0.0077	U	0.0077	0.0012	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Methoxychlor	0.0077	U	0.0077	0.0018	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1
Toxaphene	0.077	U	0.077	0.028	mg/Kg	☼	04/08/25 10:43	04/09/25 03:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*17 - 150*	*04/08/25 10:43*	*04/09/25 03:05*	*1*
DCB Decachlorobiphenyl	*76*		*17 - 150*	*04/08/25 10:43*	*04/09/25 03:05*	*1*
Tetrachloro-m-xylene	*83*		*21 - 150*	*04/08/25 10:43*	*04/09/25 03:05*	*1*
Tetrachloro-m-xylene	*82*		*21 - 150*	*04/08/25 10:43*	*04/09/25 03:05*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1221	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1232	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1242	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1248	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1254	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1260	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor-1262	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Aroclor 1268	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1
Polychlorinated biphenyls, Total	0.077	U	0.077	0.021	mg/Kg	☼	04/08/25 10:47	04/08/25 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:52*	*1*
DCB Decachlorobiphenyl	*100*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:52*	*1*
Tetrachloro-m-xylene	*113*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:52*	*1*
Tetrachloro-m-xylene	*132*		*20 - 150*	*04/08/25 10:47*	*04/08/25 23:52*	*1*

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoropentanoic acid (PFPeA)	**0.079**	**J**	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	**0.071**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoroheptanoic acid (PFHpA)	**0.080**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorooctanoic acid (PFOA)	**0.16**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorononanoic acid (PFNA)	**0.65**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorodecanoic acid (PFDA)	**0.31**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoroundecanoic acid (PFUnA)	**1.41**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorododecanoic acid (PFDoA)	**0.24**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorotridecanoic acid (PFTrDA)	**3.03**		0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorotetradecanoic acid (PFTeDA)	**0.077**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorobutanesulfonic acid (PFBS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoropentanesulfonic acid (PFPeS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoroheptanesulfonic acid (PFHpS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.061**	**J**	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorononanesulfonic acid (PFNS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorododecanesulfonic acid (PFDoS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	**0.21**	**J**	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorooctanesulfonamide (PFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.46	U	1.46	0.36	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.46	U	1.46	0.36	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.58	U	0.58	0.15	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid
Percent Solids: 86.7

Method: EPA 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.73	U	0.73	0.18	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.64	U	3.64	0.91	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.64	U	3.64	0.91	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluorodecanesulfonic acid (PFDS)	0.15	U	0.15	0.036	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.29	U	0.29	0.073	ug/Kg	☼	04/08/25 14:24	04/10/25 01:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*91.1*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C5 PFPeA	*102*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C5 PFHxA	*91.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C4 PFHpA	*110*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C8 PFOA	*78.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C9 PFNA	*89.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C6 PFDA	*86.6*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C7 PFUnA	*136*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C2 PFTeDA	*74.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C3 PFBS	*93.2*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C3 PFHxS	*74.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C8 PFOS	*84.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C8 FOSA	*89.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d3-NMeFOSAA	*93.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d5-NEtFOSAA	*93.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
M2-4:2 FTS	*83.4*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
M2-6:2 FTS	*82.8*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
M2-8:2 FTS	*74.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C3 HFPO-DA	*98.0*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d7-N-MeFOSE-M	*67.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d9-N-EtFOSE-M	*59.9*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d5-NEtPFOSA	*64.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
d3-NMePFOSA	*77.5*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*
13C2-PFDoDA	*76.7*		*20 - 150*	*04/08/25 14:24*	*04/10/25 01:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7010**		22.0	6.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Antimony	**0.59**	**J**	1.1	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Arsenic	**4.8**		1.1	0.11	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Barium	**34.7**		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Beryllium	**0.52**		0.44	0.063	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Cadmium	**0.13**	**J**	1.1	0.12	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Calcium	**916**		110	44.7	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Chromium	**16.6**		2.2	1.0	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Cobalt	**5.2**		2.2	0.16	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Copper	**29.1**		2.2	0.40	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Iron	**16500**		65.9	22.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Lead	**35.1**		0.66	0.22	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid
Percent Solids: 86.7

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1720		110	11.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Manganese	137		4.4	0.44	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Nickel	11.8		2.2	0.52	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Potassium	949		110	17.8	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Selenium	0.28	J	1.4	0.14	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Silver	0.13	J	0.44	0.098	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Sodium	110	U	110	50.2	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Thallium	0.11	J	0.44	0.045	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Vanadium	26.4		2.2	0.23	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1
Zinc	56.0		8.8	3.3	mg/Kg	☼	04/11/25 08:00	04/11/25 19:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022		0.019	0.0089	mg/Kg	☼	04/10/25 01:24	04/10/25 06:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (EPA Moisture)	13.3		1.0	1.0	%			04/08/25 08:30	1
Percent Solids (EPA Moisture)	86.7		1.0	1.0	%			04/08/25 08:30	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-323220-A-2-B MS	Matrix Spike	107	95	84	95	86	81
460-323220-A-2-C MSD	Matrix Spike Duplicate	132	121	82	97	83	85
460-323511-E-1-A MS	Matrix Spike	75	71	69	71	68	73
460-323511-E-1-B MSD	Matrix Spike Duplicate	75	70	68	70	67	71
460-323536-1	14A_0-5	93	88	91	84	91	85
460-323536-2	14A_5-10	82	72	73	68	73	78
460-323536-3	14B_0-5	103	94	93	88	93	94
460-323536-4	14B_5-10	73	76	73	70	70	76
460-323536-5	14C_0-6	97	90	94	86	94	93
460-323536-6	14C_6-12	83	75	78	71	78	78
460-323536-7	14D_0-9	92	81	83	78	83	86
460-323536-8	14D_9-8	57	61	60	58	58	65
460-323536-9	14E_0-9	72	75	72	74	70	80
460-323536-10	14E_9-18	73	75	71	75	69	80
460-323536-11	14F_0-5	76	75	71	73	69	79
460-323536-12	14F_5-10	72	74	70	72	67	77
LCS 460-1030282/2-A	Lab Control Sample	83	78	74	79	75	78
LCS 460-1030380/2-A	Lab Control Sample	100	96	95	96	94	92
LCSD 460-1030282/3-A	Lab Control Sample Dup	85	79	78	82	76	81
LCSD 460-1030380/3-A	Lab Control Sample Dup	100	95	96	97	93	93
MB 460-1030282/1-A	Method Blank	82	84	81	84	79	85
MB 460-1030380/1-A	Method Blank	85	93	93	92	90	90

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(17-150)	(17-150)	(21-150)	(21-150)
460-323536-1	14A_0-5	78	87	80	82
460-323536-2	14A_5-10	78	86	78	80
460-323536-3	14B_0-5	69	76	68	68
460-323536-4	14B_5-10	81	89	79	82
460-323536-5	14C_0-6	67	76	68	70
460-323536-6	14C_6-12	60	67	60	61
460-323536-7	14D_0-9	65	66	64	68
460-323536-7 MS	14D_0-9	61	67	65	62
460-323536-7 MSD	14D_0-9	71	79	81	76
460-323536-8	14D_9-8	90	99	90	92
460-323536-9	14E_0-9	73	81	74	77
460-323536-10	14E_9-18	67	75	73	76
460-323536-11	14F_0-5	73	82	83	85

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (17-150)	DCBP2 (17-150)	TCX1 (21-150)	TCX2 (21-150)
460-323536-12	14F_5-10	76	83	82	83
LCS 460-1030388/2-A	Lab Control Sample	86	96	105	99
LCSD 460-1030388/3-A	Lab Control Sample Dup	81	87	73	61
MB 460-1030388/1-A	Method Blank	60	70	64	67

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (20-150)	DCBP2 (20-150)	TCX1 (20-150)	TCX2 (20-150)
460-323536-1	14A_0-5	57	52	69	60
460-323536-2	14A_5-10	93	84	116	100
460-323536-3	14B_0-5	49	46	61	53
460-323536-4	14B_5-10	76	67	93	80
460-323536-5	14C_0-6	86	75	103	90
460-323536-6	14C_6-12	70	66	88	77
460-323536-7	14D_0-9	80	72	98	85
460-323536-7 MS	14D_0-9	100	87	114	100
460-323536-7 MSD	14D_0-9	96	83	112	87
460-323536-8	14D_9-8	112	96	134	115
460-323536-9	14E_0-9	92	83	114	98
460-323536-10	14E_9-18	76	73	102	89
460-323536-11	14F_0-5	95	87	120	106
460-323536-12	14F_5-10	100	95	132	113
LCS 460-1030389/2-A	Lab Control Sample	87	78	90	90
LCSD 460-1030389/3-A	Lab Control Sample Dup	105	84	137	108
MB 460-1030389/1-A	Method Blank	90	88	120	107

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA	PFPeA	13C5PHA	C4PFHA	C8PFOA	C9PFNA	C6PFDA	13C7PUA
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-323129-G-4-B DU	Duplicate	91.2	103	91.0	108	82.8	88.4	79.5	129
460-323536-1	14A_0-5	93.3	105	93.5	114	82.1	91.4	90.6	147
460-323536-2	14A_5-10	94.4	111	97.8	116	81.3	89.0	90.6	153 *
460-323536-3	14B_0-5	93.9	104	93.2	111	84.8	91.7	89.1	138
460-323536-4	14B_5-10	94.6	106	94.8	111	82.1	90.7	88.0	141
460-323536-5	14C_0-6	91.8	100	91.1	109	85.6	91.7	89.2	149
460-323536-6	14C_6-12	94.3	108	95.4	114	86.2	91.3	90.0	153 *
460-323536-7	14D_0-9	93.7	104	93.4	112	85.9	91.8	86.9	142
460-323536-8	14D_9-8	91.9	101	88.4	108	85.6	92.8	88.4	145
460-323536-9	14E_0-9	92.2	102	92.3	111	86.2	93.7	90.6	147
460-323536-10	14E_9-18	93.9	108	93.3	112	85.3	95.4	93.2	158 *
460-323536-11	14F_0-5	91.2	102	90.6	113	84.1	91.1	91.7	156 *
460-323536-12	14F_5-10	91.1	102	91.8	110	78.4	89.6	86.6	136
LCS 240-651364/3-A	Lab Control Sample	71.2	77.6	70.3	84.1	63.2	70.8	66.6	112
LLCS 240-651364/2-A	Lab Control Sample	92.8	103	95.8	111	85.4	88.4	89.6	145
MB 240-651364/1-A	Method Blank	93.3	101	94.5	113	86.0	90.0	93.0	153 *

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFTDA	C3PFBS	C3PFHS	C8PFOS	PFOSA	d3NMFOS	d5NEFOS	M242FTS
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-323129-G-4-B DU	Duplicate	48.3	84.1	68.6	74.2	86.0	83.5	77.8	71.6
460-323536-1	14A_0-5	68.1	94.5	76.5	90.0	96.0	96.4	99.6	91.4
460-323536-2	14A_5-10	63.0	96.9	75.6	89.9	96.4	92.5	90.3	82.2
460-323536-3	14B_0-5	47.2	93.1	75.0	85.8	90.7	82.1	75.8	83.6
460-323536-4	14B_5-10	55.8	96.1	77.1	90.1	93.2	91.3	89.9	87.3
460-323536-5	14C_0-6	90.9	95.7	77.5	92.0	108	99.8	100	92.0
460-323536-6	14C_6-12	71.9	97.4	78.9	90.6	99.4	96.5	98.0	93.8
460-323536-7	14D_0-9	77.9	95.2	77.6	89.8	90.7	93.3	88.8	86.9
460-323536-8	14D_9-8	82.5	95.0	76.8	90.0	93.0	94.8	91.0	84.5
460-323536-9	14E_0-9	55.3	91.9	74.8	90.5	96.8	91.4	86.5	85.4
460-323536-10	14E_9-18	85.2	95.3	75.5	93.1	94.8	102	103	96.4
460-323536-11	14F_0-5	91.8	96.8	78.0	90.7	96.0	98.0	96.2	90.6
460-323536-12	14F_5-10	74.7	93.2	74.4	84.9	89.7	93.4	93.0	83.4
LCS 240-651364/3-A	Lab Control Sample	70.3	74.2	58.5	69.6	73.5	76.9	76.3	64.4
LLCS 240-651364/2-A	Lab Control Sample	64.1	96.4	79.2	91.9	92.7	91.3	85.9	86.0
MB 240-651364/1-A	Method Blank	83.7	99.9	79.1	94.6	96.6	94.7	97.0	80.8

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M262FTS	M282FTS	HFPODA	NMFM	NEFM	d5NPFSA	d3NMFSA	PFDoDA
Lab Sample ID	Client Sample ID	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)	(20-150)
460-323129-G-4-B DU	Duplicate	68.1	60.7	99.1	39.8	27.4	59.9	73.1	70.6
460-323536-1	14A_0-5	89.3	82.7	104	59.0	52.4	70.2	86.4	84.3
460-323536-2	14A_5-10	83.1	79.1	105	67.3	59.6	75.1	88.3	83.5
460-323536-3	14B_0-5	89.1	76.8	103	54.8	47.4	64.9	77.7	74.3
460-323536-4	14B_5-10	88.6	79.7	103	64.8	53.7	66.3	80.5	76.7
460-323536-5	14C_0-6	87.0	88.6	100	65.9	56.1	72.4	86.1	89.8
460-323536-6	14C_6-12	92.8	84.6	105	67.8	58.7	71.6	86.1	88.0
460-323536-7	14D_0-9	84.8	79.8	102	64.7	55.5	65.3	80.0	80.1
460-323536-8	14D_9-8	87.1	80.7	99.6	70.2	62.0	70.7	84.4	85.2
460-323536-9	14E_0-9	83.7	80.2	103	64.7	57.1	69.0	87.8	78.8
460-323536-10	14E_9-18	96.1	83.5	104	70.3	62.5	71.5	83.7	91.2

Isotope Dilution Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (20-150)	M282FTS (20-150)	HFPODA (20-150)	NMFM (20-150)	NEFM (20-150)	d5NPFSA (20-150)	d3NMFSA (20-150)	PFDoDA (20-150)
460-323536-11	14F_0-5	93.5	80.5	102	71.6	64.2	71.0	81.5	90.6
460-323536-12	14F_5-10	82.8	74.7	98.0	67.7	59.9	64.5	77.5	76.7
LCS 240-651364/3-A	Lab Control Sample	63.7	61.9	77.5	61.5	57.6	57.8	68.8	68.8
LLCS 240-651364/2-A	Lab Control Sample	81.8	78.5	104	42.3	34.6	66.5	83.7	79.2
MB 240-651364/1-A	Method Blank	83.2	81.4	103	73.0	65.4	69.1	84.4	86.3

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA
13C5PHA = 13C5 PFHxA
C4PFHA = 13C4 PFHpA
C8PFOA = 13C8 PFOA
C9PFNA = 13C9 PFNA
C6PFDA = 13C6 PFDA
13C7PUA = 13C7 PFUnA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
C3PFHS = 13C3 PFHxS
C8PFOS = 13C8 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
d5NPFSA = d5-NEtPFOSA
d3NMFSA = d3-NMePFOSA
PFDoDA = 13C2-PFDoDA

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-1030282/1-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/07/25 21:51	04/08/25 06:01	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030282/1-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/07/25 21:51	04/08/25 06:01	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/07/25 21:51	04/08/25 06:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*24 - 137*	*04/07/25 21:51*	*04/08/25 06:01*	*1*
2-Fluorobiphenyl	*84*		*38 - 128*	*04/07/25 21:51*	*04/08/25 06:01*	*1*
2-Fluorophenol (Surr)	*81*		*31 - 133*	*04/07/25 21:51*	*04/08/25 06:01*	*1*
Nitrobenzene-d5 (Surr)	*84*		*31 - 120*	*04/07/25 21:51*	*04/08/25 06:01*	*1*
Phenol-d5 (Surr)	*79*		*35 - 132*	*04/07/25 21:51*	*04/08/25 06:01*	*1*
Terphenyl-d14 (Surr)	*85*		*44 - 147*	*04/07/25 21:51*	*04/08/25 06:01*	*1*

Lab Sample ID: LCS 460-1030282/2-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	2.90		mg/Kg		87	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	2.82		mg/Kg		85	60 - 120
1,4-Dioxane	3.33	2.03		mg/Kg		61	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	2.60		mg/Kg		78	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	2.92		mg/Kg		87	62 - 120
2,4,5-Trichlorophenol	3.33	2.91		mg/Kg		87	64 - 120
2,4,6-Trichlorophenol	3.33	2.92		mg/Kg		88	65 - 120
2,4-Dichlorophenol	3.33	2.92		mg/Kg		87	66 - 120
2,4-Dimethylphenol	3.33	3.32		mg/Kg		100	46 - 120
2,4-Dinitrophenol	6.67	5.27		mg/Kg		79	41 - 129
2,4-Dinitrotoluene	3.33	3.12		mg/Kg		94	65 - 124
2,6-Dinitrotoluene	3.33	3.03		mg/Kg		91	67 - 121
2-Chloronaphthalene	3.33	2.84		mg/Kg		85	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030282/2-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	3.33	2.76		mg/Kg		83	63 - 120
2-Methylnaphthalene	3.33	2.51		mg/Kg		75	64 - 120
2-Methylphenol	3.33	3.02		mg/Kg		91	63 - 120
2-Nitroaniline	3.33	2.75		mg/Kg		83	48 - 120
2-Nitrophenol	3.33	2.79		mg/Kg		84	64 - 120
3 & 4 Methylphenol	3.33	2.97		mg/Kg		89	61 - 120
3,3'-Dichlorobenzidine	3.33	2.55		mg/Kg		77	10 - 120
3-Nitroaniline	3.33	2.65		mg/Kg		79	18 - 122
4,6-Dinitro-2-methylphenol	6.67	6.42		mg/Kg		96	58 - 136
4-Bromophenyl phenyl ether	3.33	2.83		mg/Kg		85	60 - 120
4-Chloro-3-methylphenol	3.33	2.90		mg/Kg		87	66 - 120
4-Chloroaniline	3.33	2.61		mg/Kg		78	10 - 120
4-Chlorophenyl phenyl ether	3.33	2.93		mg/Kg		88	62 - 120
4-Methylphenol	3.33	2.97		mg/Kg		89	61 - 120
4-Nitroaniline	3.33	2.87		mg/Kg		86	51 - 120
4-Nitrophenol	6.67	5.92		mg/Kg		89	42 - 132
Acenaphthene	3.33	2.97		mg/Kg		89	65 - 120
Acenaphthylene	3.33	2.99		mg/Kg		90	64 - 120
Acetophenone	3.33	2.74		mg/Kg		82	61 - 120
Anthracene	3.33	2.95		mg/Kg		88	67 - 120
Atrazine	1.33	1.43		mg/Kg		107	32 - 150
Benzaldehyde	1.33	1.33		mg/Kg		99	28 - 150
Benzo[a]anthracene	3.33	2.88		mg/Kg		87	66 - 120
Benzo[a]pyrene	3.33	3.14		mg/Kg		94	73 - 123
Benzo[b]fluoranthene	3.33	2.90		mg/Kg		87	70 - 125
Benzo[g,h,i]perylene	3.33	3.05		mg/Kg		91	66 - 120
Benzo[k]fluoranthene	3.33	3.21		mg/Kg		96	67 - 122
Bis(2-chloroethoxy)methane	3.33	2.73		mg/Kg		82	62 - 120
Bis(2-chloroethyl)ether	3.33	2.68		mg/Kg		81	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	2.96		mg/Kg		89	64 - 125
Butyl benzyl phthalate	3.33	2.79		mg/Kg		84	62 - 127
Caprolactam	1.33	1.30		mg/Kg		97	36 - 150
Carbazole	3.33	2.94		mg/Kg		88	64 - 120
Chrysene	3.33	2.88		mg/Kg		87	67 - 120
Dibenz(a,h)anthracene	3.33	3.07		mg/Kg		92	66 - 128
Dibenzofuran	3.33	2.85		mg/Kg		86	61 - 120
Diethyl phthalate	3.33	2.93		mg/Kg		88	63 - 120
Dimethyl phthalate	3.33	2.92		mg/Kg		88	65 - 120
Di-n-butyl phthalate	3.33	2.83		mg/Kg		85	66 - 120
Di-n-octyl phthalate	3.33	2.89		mg/Kg		87	61 - 123
Fluoranthene	3.33	2.92		mg/Kg		87	61 - 120
Fluorene	3.33	2.97		mg/Kg		89	64 - 120
Hexachlorobenzene	3.33	2.87		mg/Kg		86	66 - 120
Hexachlorobutadiene	3.33	2.80		mg/Kg		84	62 - 120
Hexachlorocyclopentadiene	3.33	3.23		mg/Kg		97	13 - 120
Hexachloroethane	3.33	2.96		mg/Kg		89	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	2.81		mg/Kg		84	71 - 137
Isophorone	3.33	2.84		mg/Kg		85	61 - 120
Naphthalene	3.33	2.80		mg/Kg		84	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030282/2-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030282

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrobenzene			3.33	3.00		mg/Kg		90	63 - 120		
N-Nitrosodi-n-propylamine			3.33	2.92		mg/Kg		87	56 - 120		
N-Nitrosodiphenylamine			3.33	2.88		mg/Kg		86	63 - 120		
Pentachlorophenol			6.67	6.30		mg/Kg		94	61 - 126		
Phenanthrene			3.33	2.93		mg/Kg		88	66 - 120		
Phenol			3.33	2.74		mg/Kg		82	63 - 120		
Pyrene			3.33	2.88		mg/Kg		86	61 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 137*
2-Fluorobiphenyl	*78*		*38 - 128*
2-Fluorophenol (Surr)	*74*		*31 - 133*
Nitrobenzene-d5 (Surr)	*79*		*31 - 120*
Phenol-d5 (Surr)	*75*		*35 - 132*
Terphenyl-d14 (Surr)	*78*		*44 - 147*

Lab Sample ID: LCSD 460-1030282/3-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030282

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.91		mg/Kg		87	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene			3.33	2.84		mg/Kg		85	60 - 120	1	30
1,4-Dioxane			3.33	2.05		mg/Kg		61	27 - 120	1	30
2,2'-oxybis[1-chloropropane]			3.33	2.63		mg/Kg		79	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	2.95		mg/Kg		89	62 - 120	1	30
2,4,5-Trichlorophenol			3.33	2.95		mg/Kg		89	64 - 120	2	30
2,4,6-Trichlorophenol			3.33	2.91		mg/Kg		87	65 - 120	0	30
2,4-Dichlorophenol			3.33	3.02		mg/Kg		91	66 - 120	3	30
2,4-Dimethylphenol			3.33	3.44		mg/Kg		103	46 - 120	3	30
2,4-Dinitrophenol			6.67	5.54		mg/Kg		83	41 - 129	5	30
2,4-Dinitrotoluene			3.33	3.19		mg/Kg		96	65 - 124	2	30
2,6-Dinitrotoluene			3.33	3.04		mg/Kg		91	67 - 121	0	30
2-Chloronaphthalene			3.33	2.86		mg/Kg		86	64 - 120	1	30
2-Chlorophenol			3.33	2.79		mg/Kg		84	63 - 120	1	30
2-Methylnaphthalene			3.33	2.56		mg/Kg		77	64 - 120	2	30
2-Methylphenol			3.33	3.05		mg/Kg		92	63 - 120	1	30
2-Nitroaniline			3.33	2.78		mg/Kg		83	48 - 120	1	30
2-Nitrophenol			3.33	2.90		mg/Kg		87	64 - 120	4	30
3 & 4 Methylphenol			3.33	3.02		mg/Kg		91	61 - 120	2	30
3,3'-Dichlorobenzidine			3.33	2.64		mg/Kg		79	10 - 120	3	30
3-Nitroaniline			3.33	2.64		mg/Kg		79	18 - 122	0	30
4,6-Dinitro-2-methylphenol			6.67	6.84		mg/Kg		103	58 - 136	6	30
4-Bromophenyl phenyl ether			3.33	2.91		mg/Kg		87	60 - 120	3	30
4-Chloro-3-methylphenol			3.33	2.98		mg/Kg		89	66 - 120	2	30
4-Chloroaniline			3.33	2.64		mg/Kg		79	10 - 120	1	30
4-Chlorophenyl phenyl ether			3.33	2.93		mg/Kg		88	62 - 120	0	30
4-Methylphenol			3.33	3.02		mg/Kg		91	61 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030282/3-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030282

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline			3.33	2.91		mg/Kg		87	51 - 120	1	30
4-Nitrophenol			6.67	6.13		mg/Kg		92	42 - 132	3	30
Acenaphthene			3.33	3.02		mg/Kg		91	65 - 120	2	30
Acenaphthylene			3.33	3.04		mg/Kg		91	64 - 120	2	30
Acetophenone			3.33	2.79		mg/Kg		84	61 - 120	2	30
Anthracene			3.33	3.04		mg/Kg		91	67 - 120	3	30
Atrazine			1.33	1.43		mg/Kg		107	32 - 150	0	30
Benzaldehyde			1.33	1.30		mg/Kg		98	28 - 150	2	30
Benzo[a]anthracene			3.33	2.96		mg/Kg		89	66 - 120	3	30
Benzo[a]pyrene			3.33	3.18		mg/Kg		96	73 - 123	1	30
Benzo[b]fluoranthene			3.33	2.94		mg/Kg		88	70 - 125	1	30
Benzo[g,h,i]perylene			3.33	3.10		mg/Kg		93	66 - 120	2	30
Benzo[k]fluoranthene			3.33	3.28		mg/Kg		98	67 - 122	2	30
Bis(2-chloroethoxy)methane			3.33	2.84		mg/Kg		85	62 - 120	4	30
Bis(2-chloroethyl)ether			3.33	2.74		mg/Kg		82	60 - 120	2	30
Bis(2-ethylhexyl) phthalate			3.33	3.06		mg/Kg		92	64 - 125	3	30
Butyl benzyl phthalate			3.33	2.92		mg/Kg		88	62 - 127	5	30
Caprolactam			1.33	1.29		mg/Kg		96	36 - 150	1	30
Carbazole			3.33	3.01		mg/Kg		90	64 - 120	3	30
Chrysene			3.33	2.95		mg/Kg		88	67 - 120	2	30
Dibenz(a,h)anthracene			3.33	3.09		mg/Kg		93	66 - 128	1	30
Dibenzofuran			3.33	2.88		mg/Kg		86	61 - 120	1	30
Diethyl phthalate			3.33	3.01		mg/Kg		90	63 - 120	3	30
Dimethyl phthalate			3.33	2.97		mg/Kg		89	65 - 120	2	30
Di-n-butyl phthalate			3.33	2.86		mg/Kg		86	66 - 120	1	30
Di-n-octyl phthalate			3.33	2.90		mg/Kg		87	61 - 123	1	30
Fluoranthene			3.33	2.94		mg/Kg		88	61 - 120	1	30
Fluorene			3.33	2.99		mg/Kg		90	64 - 120	1	30
Hexachlorobenzene			3.33	2.95		mg/Kg		88	66 - 120	3	30
Hexachlorobutadiene			3.33	2.96		mg/Kg		89	62 - 120	5	30
Hexachlorocyclopentadiene			3.33	3.29		mg/Kg		99	13 - 120	2	30
Hexachloroethane			3.33	2.96		mg/Kg		89	61 - 120	0	30
Indeno[1,2,3-cd]pyrene			3.33	2.86		mg/Kg		86	71 - 137	2	30
Isophorone			3.33	2.88		mg/Kg		86	61 - 120	2	30
Naphthalene			3.33	2.87		mg/Kg		86	63 - 120	3	30
Nitrobenzene			3.33	3.04		mg/Kg		91	63 - 120	1	30
N-Nitrosodi-n-propylamine			3.33	2.94		mg/Kg		88	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	2.97		mg/Kg		89	63 - 120	3	30
Pentachlorophenol			6.67	6.39		mg/Kg		96	61 - 126	1	30
Phenanthrene			3.33	2.97		mg/Kg		89	66 - 120	1	30
Phenol			3.33	2.74		mg/Kg		82	63 - 120	0	30
Pyrene			3.33	2.99		mg/Kg		90	61 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*
2-Fluorobiphenyl	*79*		*38 - 128*
2-Fluorophenol (Surr)	*78*		*31 - 133*
Nitrobenzene-d5 (Surr)	*82*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030282/3-A
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030282

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	76		35 - 132
Terphenyl-d14 (Surr)	81		44 - 147

Lab Sample ID: 460-323511-E-1-A MS
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	0.36	U	3.68	2.85		mg/Kg	☼	78	64 - 120
1,2,4,5-Tetrachlorobenzene	0.36	U	3.68	2.81		mg/Kg	☼	76	60 - 120
1,4-Dioxane	0.036	U	3.68	1.75		mg/Kg	☼	48	27 - 120
2,2'-oxybis[1-chloropropane]	0.36	U	3.68	2.52		mg/Kg	☼	69	46 - 126
2,3,4,6-Tetrachlorophenol	0.36	U	3.68	2.96		mg/Kg	☼	81	62 - 120
2,4,5-Trichlorophenol	0.36	U	3.68	2.94		mg/Kg	☼	80	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.68	2.90		mg/Kg	☼	79	65 - 120
2,4-Dichlorophenol	0.15	U	3.68	2.94		mg/Kg	☼	80	66 - 120
2,4-Dimethylphenol	0.36	U	3.68	3.38		mg/Kg	☼	92	46 - 120
2,4-Dinitrophenol	0.29	U	7.35	5.23		mg/Kg	☼	71	41 - 129
2,4-Dinitrotoluene	0.074	U	3.68	3.10		mg/Kg	☼	84	65 - 124
2,6-Dinitrotoluene	0.074	U	3.68	2.91		mg/Kg	☼	79	67 - 121
2-Chloronaphthalene	0.36	U	3.68	2.86		mg/Kg	☼	78	64 - 120
2-Chlorophenol	0.36	U	3.68	2.77		mg/Kg	☼	75	63 - 120
2-Methylnaphthalene	0.36	U	3.68	2.51		mg/Kg	☼	68	64 - 120
2-Methylphenol	0.36	U	3.68	2.93		mg/Kg	☼	80	63 - 120
2-Nitroaniline	0.36	U	3.68	2.86		mg/Kg	☼	78	48 - 120
2-Nitrophenol	0.36	U	3.68	2.82		mg/Kg	☼	77	64 - 120
3 & 4 Methylphenol	0.36	U	3.68	2.94		mg/Kg	☼	80	61 - 120
3,3'-Dichlorobenzidine	0.15	U	3.68	2.31		mg/Kg	☼	63	10 - 120
3-Nitroaniline	0.36	U	3.68	2.38		mg/Kg	☼	65	18 - 122
4,6-Dinitro-2-methylphenol	0.29	U	7.35	6.39		mg/Kg	☼	87	58 - 136
4-Bromophenyl phenyl ether	0.36	U	3.68	2.82		mg/Kg	☼	77	60 - 120
4-Chloro-3-methylphenol	0.36	U	3.68	2.89		mg/Kg	☼	79	66 - 120
4-Chloroaniline	0.36	U	3.68	2.18		mg/Kg	☼	59	10 - 120
4-Chlorophenyl phenyl ether	0.36	U	3.68	2.90		mg/Kg	☼	79	62 - 120
4-Methylphenol	0.36	U	3.68	2.94		mg/Kg	☼	80	61 - 120
4-Nitroaniline	0.36	U	3.68	2.89		mg/Kg	☼	79	51 - 120
4-Nitrophenol	0.74	U	7.35	5.99		mg/Kg	☼	81	42 - 132
Acenaphthene	0.36	U	3.68	2.94		mg/Kg	☼	80	65 - 120
Acenaphthylene	0.36	U	3.68	3.02		mg/Kg	☼	82	64 - 120
Acetophenone	0.36	U	3.68	2.70		mg/Kg	☼	73	61 - 120
Anthracene	0.36	U	3.68	2.92		mg/Kg	☼	79	67 - 120
Atrazine	0.15	U	1.47	1.66	E	mg/Kg	☼	113	32 - 150
Benzaldehyde	0.36	U	1.47	1.49	E	mg/Kg	☼	102	28 - 150
Benzo[a]anthracene	0.036	U	3.68	2.89		mg/Kg	☼	79	66 - 120
Benzo[a]pyrene	0.036	U	3.68	3.17		mg/Kg	☼	86	73 - 123
Benzo[b]fluoranthene	0.036	U	3.68	3.07		mg/Kg	☼	83	70 - 125
Benzo[g,h,i]perylene	0.36	U	3.68	3.14		mg/Kg	☼	86	66 - 120
Benzo[k]fluoranthene	0.036	U	3.68	3.07		mg/Kg	☼	84	67 - 122

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323511-E-1-A MS
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Bis(2-chloroethoxy)methane	0.36	U	3.68	2.78		mg/Kg	☼	76	62 - 120
Bis(2-chloroethyl)ether	0.036	U	3.68	2.63		mg/Kg	☼	72	60 - 120
Bis(2-ethylhexyl) phthalate	0.36	U	3.68	3.02		mg/Kg	☼	82	64 - 125
Butyl benzyl phthalate	0.36	U	3.68	2.81		mg/Kg	☼	76	62 - 127
Caprolactam	0.36	U	1.47	1.47		mg/Kg	☼	100	36 - 150
Carbazole	0.36	U	3.68	2.95		mg/Kg	☼	80	64 - 120
Chrysene	0.36	U	3.68	2.98		mg/Kg	☼	81	67 - 120
Dibenz(a,h)anthracene	0.036	U	3.68	3.04		mg/Kg	☼	83	66 - 128
Dibenzofuran	0.36	U	3.68	2.88		mg/Kg	☼	78	61 - 120
Diethyl phthalate	0.36	U	3.68	2.98		mg/Kg	☼	81	63 - 120
Dimethyl phthalate	0.36	U	3.68	2.91		mg/Kg	☼	79	65 - 120
Di-n-butyl phthalate	0.36	U	3.68	2.80		mg/Kg	☼	76	66 - 120
Di-n-octyl phthalate	0.36	U	3.68	2.89		mg/Kg	☼	79	61 - 123
Fluoranthene	0.36	U	3.68	2.89		mg/Kg	☼	79	61 - 120
Fluorene	0.36	U	3.68	2.96		mg/Kg	☼	81	64 - 120
Hexachlorobenzene	0.036	U	3.68	2.86		mg/Kg	☼	78	66 - 120
Hexachlorobutadiene	0.074	U	3.68	2.92		mg/Kg	☼	79	62 - 120
Hexachlorocyclopentadiene	0.36	U	3.68	3.21		mg/Kg	☼	87	13 - 120
Hexachloroethane	0.036	U	3.68	2.94		mg/Kg	☼	80	61 - 120
Indeno[1,2,3-cd]pyrene	0.036	U	3.68	2.85		mg/Kg	☼	77	71 - 137
Isophorone	0.15	U	3.68	2.75		mg/Kg	☼	75	61 - 120
Naphthalene	0.36	U	3.68	2.83		mg/Kg	☼	77	63 - 120
Nitrobenzene	0.036	U	3.68	2.95		mg/Kg	☼	80	63 - 120
N-Nitrosodi-n-propylamine	0.036	U	3.68	2.89		mg/Kg	☼	79	56 - 120
N-Nitrosodiphenylamine	0.36	U	3.68	2.84		mg/Kg	☼	77	63 - 120
Pentachlorophenol	0.29	U	7.35	6.26		mg/Kg	☼	85	61 - 126
Phenanthrene	0.36	U	3.68	2.93		mg/Kg	☼	80	66 - 120
Phenol	0.36	U	3.68	2.70		mg/Kg	☼	74	63 - 120
Pyrene	0.36	U	3.68	2.90		mg/Kg	☼	79	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*
2-Fluorobiphenyl	*71*		*38 - 128*
2-Fluorophenol (Surr)	*69*		*31 - 133*
Nitrobenzene-d5 (Surr)	*71*		*31 - 120*
Phenol-d5 (Surr)	*68*		*35 - 132*
Terphenyl-d14 (Surr)	*73*		*44 - 147*

Lab Sample ID: 460-323511-E-1-B MSD
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	0.36	U	3.67	2.84		mg/Kg	☼	77	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene	0.36	U	3.67	2.78		mg/Kg	☼	76	60 - 120	1	30
1,4-Dioxane	0.036	U	3.67	1.76		mg/Kg	☼	48	27 - 120	0	30
2,2'-oxybis[1-chloropropane]	0.36	U	3.67	2.46		mg/Kg	☼	67	46 - 126	2	30
2,3,4,6-Tetrachlorophenol	0.36	U	3.67	2.96		mg/Kg	☼	81	62 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323511-E-1-B MSD
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.36	U	3.67	2.88		mg/Kg	☼	79	64 - 120	2	30
2,4,6-Trichlorophenol	0.15	U	3.67	2.89		mg/Kg	☼	79	65 - 120	1	30
2,4-Dichlorophenol	0.15	U	3.67	2.91		mg/Kg	☼	79	66 - 120	1	30
2,4-Dimethylphenol	0.36	U	3.67	3.28		mg/Kg	☼	89	46 - 120	3	30
2,4-Dinitrophenol	0.29	U	7.34	5.33		mg/Kg	☼	73	41 - 129	2	30
2,4-Dinitrotoluene	0.074	U	3.67	3.08		mg/Kg	☼	84	65 - 124	1	30
2,6-Dinitrotoluene	0.074	U	3.67	2.96		mg/Kg	☼	81	67 - 121	2	30
2-Chloronaphthalene	0.36	U	3.67	2.83		mg/Kg	☼	77	64 - 120	1	30
2-Chlorophenol	0.36	U	3.67	2.72		mg/Kg	☼	74	63 - 120	2	30
2-Methylnaphthalene	0.36	U	3.67	2.47		mg/Kg	☼	67	64 - 120	1	30
2-Methylphenol	0.36	U	3.67	2.97		mg/Kg	☼	81	63 - 120	1	30
2-Nitroaniline	0.36	U	3.67	2.65		mg/Kg	☼	72	48 - 120	8	30
2-Nitrophenol	0.36	U	3.67	2.78		mg/Kg	☼	76	64 - 120	1	30
3 & 4 Methylphenol	0.36	U	3.67	2.93		mg/Kg	☼	80	61 - 120	0	30
3,3'-Dichlorobenzidine	0.15	U	3.67	2.22		mg/Kg	☼	61	10 - 120	4	30
3-Nitroaniline	0.36	U	3.67	2.34		mg/Kg	☼	64	18 - 122	2	30
4,6-Dinitro-2-methylphenol	0.29	U	7.34	6.32		mg/Kg	☼	86	58 - 136	1	30
4-Bromophenyl phenyl ether	0.36	U	3.67	2.85		mg/Kg	☼	78	60 - 120	1	30
4-Chloro-3-methylphenol	0.36	U	3.67	2.89		mg/Kg	☼	79	66 - 120	0	30
4-Chloroaniline	0.36	U	3.67	2.09		mg/Kg	☼	57	10 - 120	4	30
4-Chlorophenyl phenyl ether	0.36	U	3.67	2.88		mg/Kg	☼	78	62 - 120	1	30
4-Methylphenol	0.36	U	3.67	2.93		mg/Kg	☼	80	61 - 120	0	30
4-Nitroaniline	0.36	U	3.67	2.80		mg/Kg	☼	76	51 - 120	3	30
4-Nitrophenol	0.74	U	7.34	6.10		mg/Kg	☼	83	42 - 132	2	30
Acenaphthene	0.36	U	3.67	2.97		mg/Kg	☼	81	65 - 120	1	30
Acenaphthylene	0.36	U	3.67	2.97		mg/Kg	☼	81	64 - 120	2	30
Acetophenone	0.36	U	3.67	2.65		mg/Kg	☼	72	61 - 120	2	30
Anthracene	0.36	U	3.67	2.90		mg/Kg	☼	79	67 - 120	1	30
Atrazine	0.15	U	1.47	1.51	E	mg/Kg	☼	103	32 - 150	10	30
Benzaldehyde	0.36	U	1.47	1.35	E	mg/Kg	☼	92	28 - 150	10	30
Benzo[a]anthracene	0.036	U	3.67	2.92		mg/Kg	☼	80	66 - 120	1	30
Benzo[a]pyrene	0.036	U	3.67	3.13		mg/Kg	☼	85	73 - 123	1	30
Benzo[b]fluoranthene	0.036	U	3.67	2.98		mg/Kg	☼	81	70 - 125	3	30
Benzo[g,h,i]perylene	0.36	U	3.67	3.15		mg/Kg	☼	86	66 - 120	0	30
Benzo[k]fluoranthene	0.036	U	3.67	3.10		mg/Kg	☼	85	67 - 122	1	30
Bis(2-chloroethoxy)methane	0.36	U	3.67	2.72		mg/Kg	☼	74	62 - 120	2	30
Bis(2-chloroethyl)ether	0.036	U	3.67	2.64		mg/Kg	☼	72	60 - 120	0	30
Bis(2-ethylhexyl) phthalate	0.36	U	3.67	3.00		mg/Kg	☼	82	64 - 125	1	30
Butyl benzyl phthalate	0.36	U	3.67	2.79		mg/Kg	☼	76	62 - 127	1	30
Caprolactam	0.36	U	1.47	1.36		mg/Kg	☼	93	36 - 150	8	30
Carbazole	0.36	U	3.67	2.90		mg/Kg	☼	79	64 - 120	2	30
Chrysene	0.36	U	3.67	2.89		mg/Kg	☼	79	67 - 120	3	30
Dibenz(a,h)anthracene	0.036	U	3.67	3.07		mg/Kg	☼	84	66 - 128	1	30
Dibenzofuran	0.36	U	3.67	2.83		mg/Kg	☼	77	61 - 120	2	30
Diethyl phthalate	0.36	U	3.67	2.94		mg/Kg	☼	80	63 - 120	1	30
Dimethyl phthalate	0.36	U	3.67	2.89		mg/Kg	☼	79	65 - 120	1	30
Di-n-butyl phthalate	0.36	U	3.67	2.85		mg/Kg	☼	78	66 - 120	2	30
Di-n-octyl phthalate	0.36	U	3.67	2.91		mg/Kg	☼	79	61 - 123	1	30
Fluoranthene	0.36	U	3.67	2.89		mg/Kg	☼	79	61 - 120	0	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323511-E-1-B MSD
Matrix: Solid
Analysis Batch: 1030314

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030282

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluorene	0.36	U	3.67	2.96		mg/Kg	☼	81	64 - 120	0	30
Hexachlorobenzene	0.036	U	3.67	2.83		mg/Kg	☼	77	66 - 120	1	30
Hexachlorobutadiene	0.074	U	3.67	2.88		mg/Kg	☼	78	62 - 120	1	30
Hexachlorocyclopentadiene	0.36	U	3.67	3.30		mg/Kg	☼	90	13 - 120	3	30
Hexachloroethane	0.036	U	3.67	2.91		mg/Kg	☼	79	61 - 120	1	30
Indeno[1,2,3-cd]pyrene	0.036	U	3.67	2.93		mg/Kg	☼	80	71 - 137	3	30
Isophorone	0.15	U	3.67	2.75		mg/Kg	☼	75	61 - 120	0	30
Naphthalene	0.36	U	3.67	2.77		mg/Kg	☼	76	63 - 120	2	30
Nitrobenzene	0.036	U	3.67	2.94		mg/Kg	☼	80	63 - 120	0	30
N-Nitrosodi-n-propylamine	0.036	U	3.67	2.83		mg/Kg	☼	77	56 - 120	2	30
N-Nitrosodiphenylamine	0.36	U	3.67	2.86		mg/Kg	☼	78	63 - 120	0	30
Pentachlorophenol	0.29	U	7.34	6.28		mg/Kg	☼	85	61 - 126	0	30
Phenanthrene	0.36	U	3.67	2.93		mg/Kg	☼	80	66 - 120	0	30
Phenol	0.36	U	3.67	2.63		mg/Kg	☼	72	63 - 120	3	30
Pyrene	0.36	U	3.67	2.87		mg/Kg	☼	78	61 - 121	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 137*
2-Fluorobiphenyl	*70*		*38 - 128*
2-Fluorophenol (Surr)	*68*		*31 - 133*
Nitrobenzene-d5 (Surr)	*70*		*31 - 120*
Phenol-d5 (Surr)	*67*		*35 - 132*
Terphenyl-d14 (Surr)	*71*		*44 - 147*

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
1,2,4,5-Tetrachlorobenzene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,2'-oxybis[1-chloropropane]	0.33	U	0.33	0.020	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,3,4,6-Tetrachlorophenol	0.33	U	0.33	0.022	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4,5-Trichlorophenol	0.33	U	0.33	0.034	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4,6-Trichlorophenol	0.13	U	0.13	0.042	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dichlorophenol	0.13	U	0.13	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dimethylphenol	0.33	U	0.33	0.039	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dinitrophenol	0.27	U	0.27	0.16	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,4-Dinitrotoluene	0.067	U	0.067	0.036	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2,6-Dinitrotoluene	0.067	U	0.067	0.024	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Chloronaphthalene	0.33	U	0.33	0.043	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Chlorophenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Methylnaphthalene	0.33	U	0.33	0.0093	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Nitroaniline	0.33	U	0.33	0.025	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
2-Nitrophenol	0.33	U	0.33	0.033	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.13	U	0.13	0.050	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
3-Nitroaniline	0.33	U	0.33	0.079	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4,6-Dinitro-2-methylphenol	0.27	U	0.27	0.14	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Bromophenyl phenyl ether	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chloro-3-methylphenol	0.33	U	0.33	0.019	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chloroaniline	0.33	U	0.33	0.059	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Chlorophenyl phenyl ether	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Methylphenol	0.33	U	0.33	0.021	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Nitroaniline	0.33	U	0.33	0.084	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
4-Nitrophenol	0.67	U	0.67	0.054	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Acetophenone	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Atrazine	0.13	U	0.13	0.019	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzaldehyde	0.33	U	0.33	0.055	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-chloroethoxy)methane	0.33	U	0.33	0.061	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-chloroethyl)ether	0.033	U	0.033	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Bis(2-ethylhexyl) phthalate	0.33	U	0.33	0.017	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Butyl benzyl phthalate	0.33	U	0.33	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Caprolactam	0.33	U	0.33	0.051	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Carbazole	0.33	U	0.33	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Diethyl phthalate	0.33	U	0.33	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Dimethyl phthalate	0.33	U	0.33	0.075	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Di-n-butyl phthalate	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Di-n-octyl phthalate	0.33	U	0.33	0.018	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorobutadiene	0.067	U	0.067	0.0070	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachlorocyclopentadiene	0.33	U	0.33	0.029	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Hexachloroethane	0.033	U	0.033	0.011	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Isophorone	0.13	U	0.13	0.096	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Nitrobenzene	0.033	U	0.033	0.018	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
N-Nitrosodi-n-propylamine	0.033	U	0.033	0.024	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
N-Nitrosodiphenylamine	0.33	U	0.33	0.027	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		04/08/25 10:12	04/08/25 20:44	1
Phenol	0.33	U	0.33	0.012	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-1030380/1-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.33	U	0.33	0.0082	mg/Kg		04/08/25 10:12	04/08/25 20:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*24 - 137*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
2-Fluorobiphenyl	*93*		*38 - 128*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
2-Fluorophenol (Surr)	*93*		*31 - 133*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Nitrobenzene-d5 (Surr)	*92*		*31 - 120*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Phenol-d5 (Surr)	*90*		*35 - 132*	*04/08/25 10:12*	*04/08/25 20:44*	*1*
Terphenyl-d14 (Surr)	*90*		*44 - 147*	*04/08/25 10:12*	*04/08/25 20:44*	*1*

Lab Sample ID: LCS 460-1030380/2-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3.33	3.67		mg/Kg		110	64 - 120
1,2,4,5-Tetrachlorobenzene	3.33	3.70		mg/Kg		111	60 - 120
1,4-Dioxane	3.33	3.28		mg/Kg		98	27 - 120
2,2'-oxybis[1-chloropropane]	3.33	3.63		mg/Kg		109	46 - 126
2,3,4,6-Tetrachlorophenol	3.33	3.63		mg/Kg		109	62 - 120
2,4,5-Trichlorophenol	3.33	3.67		mg/Kg		110	64 - 120
2,4,6-Trichlorophenol	3.33	3.70		mg/Kg		111	65 - 120
2,4-Dichlorophenol	3.33	3.72		mg/Kg		111	66 - 120
2,4-Dimethylphenol	3.33	3.66		mg/Kg		110	46 - 120
2,4-Dinitrophenol	6.67	7.15		mg/Kg		107	41 - 129
2,4-Dinitrotoluene	3.33	3.71		mg/Kg		111	65 - 124
2,6-Dinitrotoluene	3.33	3.62		mg/Kg		109	67 - 121
2-Chloronaphthalene	3.33	3.67		mg/Kg		110	64 - 120
2-Chlorophenol	3.33	3.63		mg/Kg		109	63 - 120
2-Methylnaphthalene	3.33	3.58		mg/Kg		107	64 - 120
2-Methylphenol	3.33	3.57		mg/Kg		107	63 - 120
2-Nitroaniline	3.33	3.18		mg/Kg		95	48 - 120
2-Nitrophenol	3.33	3.67		mg/Kg		110	64 - 120
3 & 4 Methylphenol	3.33	3.52		mg/Kg		106	61 - 120
3,3'-Dichlorobenzidine	3.33	1.75		mg/Kg		53	10 - 120
3-Nitroaniline	3.33	2.65		mg/Kg		79	18 - 122
4,6-Dinitro-2-methylphenol	6.67	7.66		mg/Kg		115	58 - 136
4-Bromophenyl phenyl ether	3.33	3.86		mg/Kg		116	60 - 120
4-Chloro-3-methylphenol	3.33	3.58		mg/Kg		107	66 - 120
4-Chloroaniline	3.33	1.79		mg/Kg		54	10 - 120
4-Chlorophenyl phenyl ether	3.33	3.75		mg/Kg		112	62 - 120
4-Methylphenol	3.33	3.52		mg/Kg		106	61 - 120
4-Nitroaniline	3.33	3.19		mg/Kg		96	51 - 120
4-Nitrophenol	6.67	6.95		mg/Kg		104	42 - 132
Acenaphthene	3.33	3.65		mg/Kg		109	65 - 120
Acenaphthylene	3.33	3.58		mg/Kg		107	64 - 120
Acetophenone	3.33	3.17		mg/Kg		95	61 - 120
Anthracene	3.33	3.63		mg/Kg		109	67 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-1030380/2-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	1.33	2.43	*	mg/Kg		182	32 - 150
Benzaldehyde	1.33	2.31	*	mg/Kg		173	28 - 150
Benzo[a]anthracene	3.33	3.62		mg/Kg		108	66 - 120
Benzo[a]pyrene	3.33	3.81		mg/Kg		114	73 - 123
Benzo[b]fluoranthene	3.33	3.83		mg/Kg		115	70 - 125
Benzo[g,h,i]perylene	3.33	4.12	*	mg/Kg		124	66 - 120
Benzo[k]fluoranthene	3.33	3.77		mg/Kg		113	67 - 122
Bis(2-chloroethoxy)methane	3.33	3.67		mg/Kg		110	62 - 120
Bis(2-chloroethyl)ether	3.33	3.64		mg/Kg		109	60 - 120
Bis(2-ethylhexyl) phthalate	3.33	3.55		mg/Kg		106	64 - 125
Butyl benzyl phthalate	3.33	3.57		mg/Kg		107	62 - 127
Caprolactam	1.33	2.27	*	mg/Kg		170	36 - 150
Carbazole	3.33	3.61		mg/Kg		108	64 - 120
Chrysene	3.33	3.67		mg/Kg		110	67 - 120
Dibenz(a,h)anthracene	3.33	4.17		mg/Kg		125	66 - 128
Dibenzofuran	3.33	3.64		mg/Kg		109	61 - 120
Diethyl phthalate	3.33	3.52		mg/Kg		106	63 - 120
Dimethyl phthalate	3.33	3.51		mg/Kg		105	65 - 120
Di-n-butyl phthalate	3.33	3.65		mg/Kg		109	66 - 120
Di-n-octyl phthalate	3.33	3.45		mg/Kg		104	61 - 123
Fluoranthene	3.33	3.63		mg/Kg		109	61 - 120
Fluorene	3.33	3.64		mg/Kg		109	64 - 120
Hexachlorobenzene	3.33	3.83		mg/Kg		115	66 - 120
Hexachlorobutadiene	3.33	3.71		mg/Kg		111	62 - 120
Hexachlorocyclopentadiene	3.33	3.85		mg/Kg		115	13 - 120
Hexachloroethane	3.33	3.55		mg/Kg		106	61 - 120
Indeno[1,2,3-cd]pyrene	3.33	4.19		mg/Kg		126	71 - 137
Isophorone	3.33	3.56		mg/Kg		107	61 - 120
Naphthalene	3.33	3.56		mg/Kg		107	63 - 120
Nitrobenzene	3.33	3.46		mg/Kg		104	63 - 120
N-Nitrosodi-n-propylamine	3.33	3.54		mg/Kg		106	56 - 120
N-Nitrosodiphenylamine	3.33	3.63		mg/Kg		109	63 - 120
Pentachlorophenol	6.67	7.91		mg/Kg		119	61 - 126
Phenanthrene	3.33	3.63		mg/Kg		109	66 - 120
Phenol	3.33	3.67		mg/Kg		110	63 - 120
Pyrene	3.33	3.71		mg/Kg		111	61 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*
2-Fluorobiphenyl	*96*		*38 - 128*
2-Fluorophenol (Surr)	*95*		*31 - 133*
Nitrobenzene-d5 (Surr)	*96*		*31 - 120*
Phenol-d5 (Surr)	*94*		*35 - 132*
Terphenyl-d14 (Surr)	*92*		*44 - 147*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030380/3-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030380

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	3.67		mg/Kg		110	64 - 120	0	30
1,2,4,5-Tetrachlorobenzene			3.33	3.67		mg/Kg		110	60 - 120	1	30
1,4-Dioxane			3.33	3.28		mg/Kg		98	27 - 120	0	30
2,2'-oxybis[1-chloropropane]			3.33	3.68		mg/Kg		110	46 - 126	1	30
2,3,4,6-Tetrachlorophenol			3.33	3.80		mg/Kg		114	62 - 120	4	30
2,4,5-Trichlorophenol			3.33	3.71		mg/Kg		111	64 - 120	1	30
2,4,6-Trichlorophenol			3.33	3.70		mg/Kg		111	65 - 120	0	30
2,4-Dichlorophenol			3.33	3.79		mg/Kg		114	66 - 120	2	30
2,4-Dimethylphenol			3.33	3.74		mg/Kg		112	46 - 120	2	30
2,4-Dinitrophenol			6.67	7.08		mg/Kg		106	41 - 129	1	30
2,4-Dinitrotoluene			3.33	3.72		mg/Kg		112	65 - 124	0	30
2,6-Dinitrotoluene			3.33	3.63		mg/Kg		109	67 - 121	0	30
2-Chloronaphthalene			3.33	3.66		mg/Kg		110	64 - 120	0	30
2-Chlorophenol			3.33	3.67		mg/Kg		110	63 - 120	1	30
2-Methylnaphthalene			3.33	3.64		mg/Kg		109	64 - 120	2	30
2-Methylphenol			3.33	3.57		mg/Kg		107	63 - 120	0	30
2-Nitroaniline			3.33	3.14		mg/Kg		94	48 - 120	1	30
2-Nitrophenol			3.33	3.71		mg/Kg		111	64 - 120	1	30
3 & 4 Methylphenol			3.33	3.59		mg/Kg		108	61 - 120	2	30
3,3'-Dichlorobenzidine			3.33	1.72		mg/Kg		51	10 - 120	2	30
3-Nitroaniline			3.33	2.60		mg/Kg		78	18 - 122	2	30
4,6-Dinitro-2-methylphenol			6.67	7.85		mg/Kg		118	58 - 136	3	30
4-Bromophenyl phenyl ether			3.33	3.92		mg/Kg		117	60 - 120	1	30
4-Chloro-3-methylphenol			3.33	3.61		mg/Kg		108	66 - 120	1	30
4-Chloroaniline			3.33	1.75		mg/Kg		52	10 - 120	2	30
4-Chlorophenyl phenyl ether			3.33	3.76		mg/Kg		113	62 - 120	0	30
4-Methylphenol			3.33	3.59		mg/Kg		108	61 - 120	2	30
4-Nitroaniline			3.33	3.12		mg/Kg		93	51 - 120	2	30
4-Nitrophenol			6.67	6.96		mg/Kg		104	42 - 132	0	30
Acenaphthene			3.33	3.68		mg/Kg		110	65 - 120	1	30
Acenaphthylene			3.33	3.60		mg/Kg		108	64 - 120	1	30
Acetophenone			3.33	3.27		mg/Kg		98	61 - 120	3	30
Anthracene			3.33	3.71		mg/Kg		111	67 - 120	2	30
Atrazine			1.33	2.82	*	mg/Kg		211	32 - 150	15	30
Benzaldehyde			1.33	2.62	*	mg/Kg		197	28 - 150	13	30
Benzo[a]anthracene			3.33	3.63		mg/Kg		109	66 - 120	0	30
Benzo[a]pyrene			3.33	3.90		mg/Kg		117	73 - 123	2	30
Benzo[b]fluoranthene			3.33	3.83		mg/Kg		115	70 - 125	0	30
Benzo[g,h,i]perylene			3.33	4.18	*	mg/Kg		125	66 - 120	1	30
Benzo[k]fluoranthene			3.33	3.81		mg/Kg		114	67 - 122	1	30
Bis(2-chloroethoxy)methane			3.33	3.73		mg/Kg		112	62 - 120	2	30
Bis(2-chloroethyl)ether			3.33	3.62		mg/Kg		109	60 - 120	0	30
Bis(2-ethylhexyl) phthalate			3.33	3.51		mg/Kg		105	64 - 125	1	30
Butyl benzyl phthalate			3.33	3.55		mg/Kg		107	62 - 127	1	30
Caprolactam			1.33	2.57	*	mg/Kg		193	36 - 150	13	30
Carbazole			3.33	3.63		mg/Kg		109	64 - 120	0	30
Chrysene			3.33	3.65		mg/Kg		110	67 - 120	0	30
Dibenz(a,h)anthracene			3.33	4.21		mg/Kg		126	66 - 128	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-1030380/3-A
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030380

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibenzofuran			3.33	3.63		mg/Kg		109	61 - 120	0	30
Diethyl phthalate			3.33	3.56		mg/Kg		107	63 - 120	1	30
Dimethyl phthalate			3.33	3.54		mg/Kg		106	65 - 120	1	30
Di-n-butyl phthalate			3.33	3.65		mg/Kg		109	66 - 120	0	30
Di-n-octyl phthalate			3.33	3.50		mg/Kg		105	61 - 123	1	30
Fluoranthene			3.33	3.59		mg/Kg		108	61 - 120	1	30
Fluorene			3.33	3.68		mg/Kg		110	64 - 120	1	30
Hexachlorobenzene			3.33	3.85		mg/Kg		116	66 - 120	1	30
Hexachlorobutadiene			3.33	3.73		mg/Kg		112	62 - 120	1	30
Hexachlorocyclopentadiene			3.33	3.87		mg/Kg		116	13 - 120	1	30
Hexachloroethane			3.33	3.69		mg/Kg		111	61 - 120	4	30
Indeno[1,2,3-cd]pyrene			3.33	4.24		mg/Kg		127	71 - 137	1	30
Isophorone			3.33	3.61		mg/Kg		108	61 - 120	1	30
Naphthalene			3.33	3.64		mg/Kg		109	63 - 120	2	30
Nitrobenzene			3.33	3.46		mg/Kg		104	63 - 120	0	30
N-Nitrosodi-n-propylamine			3.33	3.56		mg/Kg		107	56 - 120	1	30
N-Nitrosodiphenylamine			3.33	3.72		mg/Kg		112	63 - 120	2	30
Pentachlorophenol			6.67	7.87		mg/Kg		118	61 - 126	1	30
Phenanthrene			3.33	3.67		mg/Kg		110	66 - 120	1	30
Phenol			3.33	3.73		mg/Kg		112	63 - 120	2	30
Pyrene			3.33	3.73		mg/Kg		112	61 - 121	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*24 - 137*
2-Fluorobiphenyl	*95*		*38 - 128*
2-Fluorophenol (Surr)	*96*		*31 - 133*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*
Phenol-d5 (Surr)	*93*		*35 - 132*
Terphenyl-d14 (Surr)	*93*		*44 - 147*

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	2.8		3.84	4.82	*	mg/Kg	☼	53	64 - 120
1,2,4,5-Tetrachlorobenzene	0.38	U	3.84	3.88		mg/Kg	☼	101	60 - 120
1,4-Dioxane	0.038	U	3.84	1.87		mg/Kg	☼	49	27 - 120
2,2'-oxybis[1-chloropropane]	0.38	U	3.84	3.16		mg/Kg	☼	82	46 - 126
2,3,4,6-Tetrachlorophenol	0.38	U	3.84	3.95		mg/Kg	☼	103	62 - 120
2,4,5-Trichlorophenol	0.38	U	3.84	3.82		mg/Kg	☼	99	64 - 120
2,4,6-Trichlorophenol	0.15	U	3.84	3.78		mg/Kg	☼	99	65 - 120
2,4-Dichlorophenol	0.15	U	3.84	3.98		mg/Kg	☼	104	66 - 120
2,4-Dimethylphenol	0.38	U	3.84	3.44		mg/Kg	☼	90	46 - 120
2,4-Dinitrophenol	0.31	U	7.68	7.21		mg/Kg	☼	94	41 - 129
2,4-Dinitrotoluene	0.077	U	3.84	4.14		mg/Kg	☼	108	65 - 124
2,6-Dinitrotoluene	0.077	U	3.84	4.00		mg/Kg	☼	104	67 - 121
2-Chloronaphthalene	0.38	U	3.84	3.00		mg/Kg	☼	78	64 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chlorophenol	0.38	U	3.84	3.39		mg/Kg	☼	88	63 - 120
2-Methylnaphthalene	11	E	3.84	11.5	E *	mg/Kg	☼	16	64 - 120
2-Methylphenol	0.38	U	3.84	3.36		mg/Kg	☼	88	63 - 120
2-Nitroaniline	0.38	U	3.84	2.80		mg/Kg	☼	73	48 - 120
2-Nitrophenol	0.38	U	3.84	3.79		mg/Kg	☼	99	64 - 120
3 & 4 Methylphenol	0.38	U	3.84	3.42		mg/Kg	☼	89	61 - 120
3,3'-Dichlorobenzidine	0.15	U	3.84	2.29		mg/Kg	☼	60	10 - 120
3-Nitroaniline	0.38	U	3.84	2.97		mg/Kg	☼	77	18 - 122
4,6-Dinitro-2-methylphenol	0.31	U	7.68	7.03		mg/Kg	☼	91	58 - 136
4-Bromophenyl phenyl ether	0.38	U	3.84	3.78		mg/Kg	☼	98	60 - 120
4-Chloro-3-methylphenol	0.38	U	3.84	3.44		mg/Kg	☼	90	66 - 120
4-Chloroaniline	0.38	U	3.84	2.21		mg/Kg	☼	58	10 - 120
4-Chlorophenyl phenyl ether	0.38	U	3.84	3.80		mg/Kg	☼	99	62 - 120
4-Methylphenol	0.38	U	3.84	3.42		mg/Kg	☼	89	61 - 120
4-Nitroaniline	0.38	U	3.84	2.85		mg/Kg	☼	74	51 - 120
4-Nitrophenol	0.77	U	7.68	5.76		mg/Kg	☼	75	42 - 132
Acenaphthene	0.38	U	3.84	3.94		mg/Kg	☼	103	65 - 120
Acenaphthylene	0.38	U	3.84	3.63		mg/Kg	☼	95	64 - 120
Acetophenone	0.38	U	3.84	9.00	*	mg/Kg	☼	235	61 - 120
Anthracene	0.38	U	3.84	3.63		mg/Kg	☼	95	67 - 120
Atrazine	0.15	U *	1.54	3.51	*	mg/Kg	☼	229	32 - 150
Benzaldehyde	0.38	U *	1.54	2.98	*	mg/Kg	☼	194	28 - 150
Benzo[a]anthracene	0.033	J	3.84	3.47		mg/Kg	☼	90	66 - 120
Benzo[a]pyrene	0.025	J	3.84	3.62		mg/Kg	☼	94	73 - 123
Benzo[b]fluoranthene	0.043		3.84	3.55		mg/Kg	☼	91	70 - 125
Benzo[g,h,i]perylene	0.023	J *	3.84	4.33		mg/Kg	☼	112	66 - 120
Benzo[k]fluoranthene	0.017	J	3.84	3.46		mg/Kg	☼	90	67 - 122
Bis(2-chloroethoxy)methane	0.38	U	3.84	3.42		mg/Kg	☼	89	62 - 120
Bis(2-chloroethyl)ether	0.038	U	3.84	3.20		mg/Kg	☼	83	60 - 120
Bis(2-ethylhexyl) phthalate	0.38	U	3.84	3.24		mg/Kg	☼	84	64 - 125
Butyl benzyl phthalate	0.38	U	3.84	3.09		mg/Kg	☼	80	62 - 127
Caprolactam	0.38	U *	1.54	3.71	*	mg/Kg	☼	241	36 - 150
Carbazole	0.38	U	3.84	3.38		mg/Kg	☼	88	64 - 120
Chrysene	0.050	J	3.84	3.52		mg/Kg	☼	90	67 - 120
Dibenz(a,h)anthracene	0.038	U	3.84	4.24		mg/Kg	☼	110	66 - 128
Dibenzofuran	0.38	U	3.84	3.73		mg/Kg	☼	97	61 - 120
Diethyl phthalate	0.38	U	3.84	3.78		mg/Kg	☼	98	63 - 120
Dimethyl phthalate	0.38	U	3.84	3.35		mg/Kg	☼	87	65 - 120
Di-n-butyl phthalate	0.38	U	3.84	3.56		mg/Kg	☼	93	66 - 120
Di-n-octyl phthalate	0.38	U	3.84	3.01		mg/Kg	☼	78	61 - 123
Fluoranthene	0.091	J	3.84	4.02		mg/Kg	☼	102	61 - 120
Fluorene	1.2		3.84	4.08		mg/Kg	☼	76	64 - 120
Hexachlorobenzene	0.038	U	3.84	3.82		mg/Kg	☼	100	66 - 120
Hexachlorobutadiene	0.077	U	3.84	3.97		mg/Kg	☼	103	62 - 120
Hexachlorocyclopentadiene	0.38	U	3.84	3.53		mg/Kg	☼	92	13 - 120
Hexachloroethane	0.038	U	3.84	5.40	*	mg/Kg	☼	141	61 - 120
Indeno[1,2,3-cd]pyrene	0.021	J	3.84	4.29		mg/Kg	☼	111	71 - 137
Isophorone	0.15	U	3.84	4.26		mg/Kg	☼	111	61 - 120
Naphthalene	3.6		3.84	5.25	*	mg/Kg	☼	44	63 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-B MS
Matrix: Solid
Analysis Batch: 1030449

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrobenzene	0.038	U	3.84	3.24		mg/Kg	☼	84	63 - 120
N-Nitrosodi-n-propylamine	0.038	U	3.84	4.38		mg/Kg	☼	114	56 - 120
N-Nitrosodiphenylamine	0.38	U	3.84	4.89	*	mg/Kg	☼	127	63 - 120
Pentachlorophenol	0.31	U	7.68	8.00		mg/Kg	☼	104	61 - 126
Phenanthrene	0.91		3.84	4.24		mg/Kg	☼	87	66 - 120
Phenol	0.38	U	3.84	3.40		mg/Kg	☼	88	63 - 120
Pyrene	0.50		3.84	3.45		mg/Kg	☼	77	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*107*		*24 - 137*
2-Fluorobiphenyl	*95*		*38 - 128*
2-Fluorophenol (Surr)	*84*		*31 - 133*
Nitrobenzene-d5 (Surr)	*95*		*31 - 120*
Phenol-d5 (Surr)	*86*		*35 - 132*
Terphenyl-d14 (Surr)	*81*		*44 - 147*

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	2.8		3.83	5.62		mg/Kg	☼	74	64 - 120	15	30
1,2,4,5-Tetrachlorobenzene	0.38	U	3.83	4.93	*	mg/Kg	☼	129	60 - 120	24	30
1,4-Dioxane	0.038	U	3.83	1.71		mg/Kg	☼	45	27 - 120	9	30
2,2'-oxybis[1-chloropropane]	0.38	U	3.83	2.18	*	mg/Kg	☼	57	46 - 126	37	30
2,3,4,6-Tetrachlorophenol	0.38	U	3.83	4.70	*	mg/Kg	☼	123	62 - 120	18	30
2,4,5-Trichlorophenol	0.38	U	3.83	4.50		mg/Kg	☼	117	64 - 120	16	30
2,4,6-Trichlorophenol	0.15	U	3.83	4.64	*	mg/Kg	☼	121	65 - 120	20	30
2,4-Dichlorophenol	0.15	U	3.83	4.49		mg/Kg	☼	117	66 - 120	12	30
2,4-Dimethylphenol	0.38	U	3.83	3.58		mg/Kg	☼	93	46 - 120	4	30
2,4-Dinitrophenol	0.31	U	7.67	8.17		mg/Kg	☼	107	41 - 129	13	30
2,4-Dinitrotoluene	0.077	U	3.83	4.70		mg/Kg	☼	123	65 - 124	13	30
2,6-Dinitrotoluene	0.077	U	3.83	4.57		mg/Kg	☼	119	67 - 121	13	30
2-Chloronaphthalene	0.38	U	3.83	3.68		mg/Kg	☼	96	64 - 120	20	30
2-Chlorophenol	0.38	U	3.83	3.35		mg/Kg	☼	87	63 - 120	1	30
2-Methylnaphthalene	11	E	3.83	11.2	E *	mg/Kg	☼	10	64 - 120	2	30
2-Methylphenol	0.38	U	3.83	2.97		mg/Kg	☼	78	63 - 120	12	30
2-Nitroaniline	0.38	U	3.83	3.23		mg/Kg	☼	84	48 - 120	14	30
2-Nitrophenol	0.38	U	3.83	4.26		mg/Kg	☼	111	64 - 120	12	30
3 & 4 Methylphenol	0.38	U	3.83	3.04		mg/Kg	☼	79	61 - 120	12	30
3,3'-Dichlorobenzidine	0.15	U	3.83	2.34		mg/Kg	☼	61	10 - 120	2	30
3-Nitroaniline	0.38	U	3.83	3.82		mg/Kg	☼	100	18 - 122	25	30
4,6-Dinitro-2-methylphenol	0.31	U	7.67	6.87		mg/Kg	☼	90	58 - 136	2	30
4-Bromophenyl phenyl ether	0.38	U	3.83	3.97		mg/Kg	☼	104	60 - 120	5	30
4-Chloro-3-methylphenol	0.38	U	3.83	3.55		mg/Kg	☼	93	66 - 120	3	30
4-Chloroaniline	0.38	U	3.83	2.13		mg/Kg	☼	56	10 - 120	4	30
4-Chlorophenyl phenyl ether	0.38	U	3.83	4.39		mg/Kg	☼	115	62 - 120	14	30
4-Methylphenol	0.38	U	3.83	3.04		mg/Kg	☼	79	61 - 120	12	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4-Nitroaniline	0.38	U	3.83	3.31		mg/Kg	☼	86	51 - 120	15	30
4-Nitrophenol	0.77	U	7.67	5.97		mg/Kg	☼	78	42 - 132	4	30
Acenaphthene	0.38	U	3.83	4.36		mg/Kg	☼	114	65 - 120	10	30
Acenaphthylene	0.38	U	3.83	4.34		mg/Kg	☼	113	64 - 120	18	30
Acetophenone	0.38	U	3.83	7.69	*	mg/Kg	☼	200	61 - 120	16	30
Anthracene	0.38	U	3.83	3.66		mg/Kg	☼	96	67 - 120	1	30
Atrazine	0.15	U *	1.53	3.54	*	mg/Kg	☼	231	32 - 150	1	30
Benzaldehyde	0.38	U *	1.53	2.58	*	mg/Kg	☼	168	28 - 150	15	30
Benzo[a]anthracene	0.033	J	3.83	3.41		mg/Kg	☼	88	66 - 120	2	30
Benzo[a]pyrene	0.025	J	3.83	3.64		mg/Kg	☼	94	73 - 123	0	30
Benzo[b]fluoranthene	0.043		3.83	3.62		mg/Kg	☼	93	70 - 125	2	30
Benzo[g,h,i]perylene	0.023	J *	3.83	4.05		mg/Kg	☼	105	66 - 120	7	30
Benzo[k]fluoranthene	0.017	J	3.83	3.57		mg/Kg	☼	93	67 - 122	3	30
Bis(2-chloroethoxy)methane	0.38	U	3.83	3.89		mg/Kg	☼	101	62 - 120	13	30
Bis(2-chloroethyl)ether	0.038	U	3.83	2.88		mg/Kg	☼	75	60 - 120	11	30
Bis(2-ethylhexyl) phthalate	0.38	U	3.83	3.24		mg/Kg	☼	85	64 - 125	0	30
Butyl benzyl phthalate	0.38	U	3.83	3.21		mg/Kg	☼	84	62 - 127	4	30
Caprolactam	0.38	U *	1.53	2.97	*	mg/Kg	☼	194	36 - 150	22	30
Carbazole	0.38	U	3.83	3.33		mg/Kg	☼	87	64 - 120	1	30
Chrysene	0.050	J	3.83	3.52		mg/Kg	☼	91	67 - 120	0	30
Dibenz(a,h)anthracene	0.038	U	3.83	4.04		mg/Kg	☼	105	66 - 128	5	30
Dibenzofuran	0.38	U	3.83	4.20		mg/Kg	☼	110	61 - 120	12	30
Diethyl phthalate	0.38	U	3.83	4.45		mg/Kg	☼	116	63 - 120	16	30
Dimethyl phthalate	0.38	U	3.83	4.03		mg/Kg	☼	105	65 - 120	18	30
Di-n-butyl phthalate	0.38	U	3.83	3.42		mg/Kg	☼	89	66 - 120	4	30
Di-n-octyl phthalate	0.38	U	3.83	3.12		mg/Kg	☼	81	61 - 123	3	30
Fluoranthene	0.091	J	3.83	3.90		mg/Kg	☼	99	61 - 120	3	30
Fluorene	1.2		3.83	4.62		mg/Kg	☼	90	64 - 120	12	30
Hexachlorobenzene	0.038	U	3.83	4.00		mg/Kg	☼	104	66 - 120	5	30
Hexachlorobutadiene	0.077	U	3.83	4.29		mg/Kg	☼	112	62 - 120	8	30
Hexachlorocyclopentadiene	0.38	U	3.83	3.81		mg/Kg	☼	99	13 - 120	8	30
Hexachloroethane	0.038	U	3.83	4.61		mg/Kg	☼	120	61 - 120	16	30
Indeno[1,2,3-cd]pyrene	0.021	J	3.83	4.14		mg/Kg	☼	107	71 - 137	4	30
Isophorone	0.15	U	3.83	4.30		mg/Kg	☼	112	61 - 120	1	30
Naphthalene	3.6		3.83	5.23	*	mg/Kg	☼	44	63 - 120	0	30
Nitrobenzene	0.038	U	3.83	3.05		mg/Kg	☼	80	63 - 120	6	30
N-Nitrosodi-n-propylamine	0.038	U	3.83	3.20	*	mg/Kg	☼	84	56 - 120	31	30
N-Nitrosodiphenylamine	0.38	U	3.83	4.89	*	mg/Kg	☼	128	63 - 120	0	30
Pentachlorophenol	0.31	U	7.67	7.95		mg/Kg	☼	104	61 - 126	1	30
Phenanthrene	0.91		3.83	4.08		mg/Kg	☼	83	66 - 120	4	30
Phenol	0.38	U	3.83	3.16		mg/Kg	☼	83	63 - 120	7	30
Pyrene	0.50		3.83	3.59		mg/Kg	☼	81	61 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*132*		*24 - 137*
2-Fluorobiphenyl	*121*		*38 - 128*
2-Fluorophenol (Surr)	*82*		*31 - 133*
Nitrobenzene-d5 (Surr)	*97*		*31 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-323220-A-2-C MSD
Matrix: Solid
Analysis Batch: 1030755

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 1030380

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*83*		*35 - 132*
Terphenyl-d14 (Surr)	*85*		*44 - 147*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-1030388/1-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
4,4'-DDD	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
4,4'-DDE	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
4,4'-DDT	0.0067	U	0.0067	0.0012	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Aldrin	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
alpha-BHC	0.0020	U	0.0020	0.00068	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
beta-BHC	0.0020	U	0.0020	0.00075	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Chlordane (technical)	0.067	U	0.067	0.016	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
cis-Chlordane	0.0067	U	0.0067	0.0011	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
delta-BHC	0.0020	U	0.0020	0.00041	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Dieldrin	0.0020	U	0.0020	0.00087	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan I	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan II	0.0067	U	0.0067	0.0017	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endosulfan sulfate	0.0067	U	0.0067	0.00084	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin	0.0067	U	0.0067	0.00096	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin aldehyde	0.0067	U	0.0067	0.0016	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Endrin ketone	0.0067	U	0.0067	0.0013	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
gamma-BHC (Lindane)	0.0020	U	0.0020	0.00062	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Heptachlor	0.0067	U	0.0067	0.00079	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Heptachlor epoxide	0.0067	U	0.0067	0.0010	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/08/25 10:43	04/09/25 00:00	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-1030388/1-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.0067	U	0.0067	0.0015	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/08/25 10:43	04/09/25 00:00	1
Toxaphene	0.067	U	0.067	0.024	mg/Kg		04/08/25 10:43	04/09/25 00:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*70*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:00*	*1*
DCB Decachlorobiphenyl	*60*		*17 - 150*	*04/08/25 10:43*	*04/09/25 00:00*	*1*
Tetrachloro-m-xylene	*67*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:00*	*1*
Tetrachloro-m-xylene	*64*		*21 - 150*	*04/08/25 10:43*	*04/09/25 00:00*	*1*

Lab Sample ID: LCS 460-1030388/2-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.133	0.167		mg/Kg		126	70 - 138
4,4'-DDD	0.133	0.152		mg/Kg		114	70 - 138
4,4'-DDE	0.133	0.154		mg/Kg		115	68 - 136
4,4'-DDE	0.133	0.150		mg/Kg		112	68 - 136
4,4'-DDT	0.133	0.160		mg/Kg		120	66 - 149
4,4'-DDT	0.133	0.128		mg/Kg		96	66 - 149
Aldrin	0.133	0.147		mg/Kg		110	69 - 136
Aldrin	0.133	0.143		mg/Kg		108	69 - 136
alpha-BHC	0.133	0.154		mg/Kg		116	72 - 134
alpha-BHC	0.133	0.153		mg/Kg		115	72 - 134
beta-BHC	0.133	0.148		mg/Kg		111	71 - 130
beta-BHC	0.133	0.147		mg/Kg		110	71 - 130
cis-Chlordane	0.133	0.156		mg/Kg		117	69 - 135
cis-Chlordane	0.133	0.150		mg/Kg		113	69 - 135
delta-BHC	0.133	0.160		mg/Kg		120	69 - 140
delta-BHC	0.133	0.150		mg/Kg		113	69 - 140
Dieldrin	0.133	0.151		mg/Kg		114	69 - 134
Dieldrin	0.133	0.148		mg/Kg		111	69 - 134
Endosulfan I	0.133	0.157		mg/Kg		117	69 - 133
Endosulfan I	0.133	0.151		mg/Kg		113	69 - 133
Endosulfan II	0.133	0.162		mg/Kg		121	71 - 137
Endosulfan II	0.133	0.152		mg/Kg		114	71 - 137
Endosulfan sulfate	0.133	0.165		mg/Kg		123	61 - 140
Endosulfan sulfate	0.133	0.147		mg/Kg		110	61 - 140
Endrin	0.133	0.144		mg/Kg		108	67 - 141
Endrin	0.133	0.144		mg/Kg		108	67 - 141
Endrin aldehyde	0.133	0.158		mg/Kg		119	71 - 136
Endrin aldehyde	0.133	0.143		mg/Kg		107	71 - 136
Endrin ketone	0.133	0.177		mg/Kg		133	60 - 146
Endrin ketone	0.133	0.160		mg/Kg		120	60 - 146
gamma-BHC (Lindane)	0.133	0.155		mg/Kg		116	72 - 139
gamma-BHC (Lindane)	0.133	0.145		mg/Kg		109	72 - 139
Heptachlor	0.133	0.158		mg/Kg		118	74 - 138

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-1030388/2-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030388

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Heptachlor			0.133	0.147		mg/Kg		110	74 - 138		
Heptachlor epoxide			0.133	0.153		mg/Kg		115	72 - 134		
Heptachlor epoxide			0.133	0.148		mg/Kg		111	72 - 134		
Methoxychlor			0.133	0.187		mg/Kg		140	60 - 150		
Methoxychlor			0.133	0.130		mg/Kg		97	60 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*96*		*17 - 150*
DCB Decachlorobiphenyl	*86*		*17 - 150*
Tetrachloro-m-xylene	*99*		*21 - 150*
Tetrachloro-m-xylene	*105*		*21 - 150*

Lab Sample ID: LCSD 460-1030388/3-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030388

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.151		mg/Kg		113	70 - 138	10	30
4,4'-DDD			0.133	0.144		mg/Kg		108	70 - 138	6	30
4,4'-DDE			0.133	0.133		mg/Kg		100	68 - 136	14	30
4,4'-DDE			0.133	0.137		mg/Kg		103	68 - 136	9	30
4,4'-DDT			0.133	0.145		mg/Kg		109	66 - 149	10	30
4,4'-DDT			0.133	0.121		mg/Kg		91	66 - 149	6	30
Aldrin			0.133	0.109		mg/Kg		82	69 - 136	30	30
Aldrin			0.133	0.112		mg/Kg		84	69 - 136	25	30
alpha-BHC			0.133	0.110	*	mg/Kg		83	72 - 134	33	30
alpha-BHC			0.133	0.115		mg/Kg		86	72 - 134	28	30
beta-BHC			0.133	0.117		mg/Kg		88	71 - 130	23	30
beta-BHC			0.133	0.123		mg/Kg		92	71 - 130	18	30
cis-Chlordane			0.133	0.131		mg/Kg		98	69 - 135	18	30
cis-Chlordane			0.133	0.133		mg/Kg		100	69 - 135	12	30
delta-BHC			0.133	0.124		mg/Kg		93	69 - 140	25	30
delta-BHC			0.133	0.125		mg/Kg		94	69 - 140	18	30
Dieldrin			0.133	0.129		mg/Kg		97	69 - 134	16	30
Dieldrin			0.133	0.132		mg/Kg		99	69 - 134	11	30
Endosulfan I			0.133	0.125		mg/Kg		94	69 - 133	22	30
Endosulfan I			0.133	0.132		mg/Kg		99	69 - 133	14	30
Endosulfan II			0.133	0.145		mg/Kg		108	71 - 137	11	30
Endosulfan II			0.133	0.143		mg/Kg		107	71 - 137	6	30
Endosulfan sulfate			0.133	0.150		mg/Kg		113	61 - 140	9	30
Endosulfan sulfate			0.133	0.141		mg/Kg		106	61 - 140	4	30
Endrin			0.133	0.127		mg/Kg		95	67 - 141	12	30
Endrin			0.133	0.134		mg/Kg		101	67 - 141	7	30
Endrin aldehyde			0.133	0.143		mg/Kg		107	71 - 136	10	30
Endrin aldehyde			0.133	0.136		mg/Kg		102	71 - 136	4	30
Endrin ketone			0.133	0.157		mg/Kg		117	60 - 146	12	30
Endrin ketone			0.133	0.151		mg/Kg		113	60 - 146	6	30
gamma-BHC (Lindane)			0.133	0.115		mg/Kg		86	72 - 139	30	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-1030388/3-A
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030388

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
gamma-BHC (Lindane)			0.133	0.113		mg/Kg		84	72 - 139	25	30
Heptachlor			0.133	0.117		mg/Kg		88	74 - 138	30	30
Heptachlor			0.133	0.115		mg/Kg		86	74 - 138	25	30
Heptachlor epoxide			0.133	0.125		mg/Kg		94	72 - 134	20	30
Heptachlor epoxide			0.133	0.127		mg/Kg		95	72 - 134	15	30
Methoxychlor			0.133	0.171		mg/Kg		128	60 - 150	9	30
Methoxychlor			0.133	0.124		mg/Kg		93	60 - 150	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*17 - 150*
DCB Decachlorobiphenyl	*81*		*17 - 150*
Tetrachloro-m-xylene	*61*		*21 - 150*
Tetrachloro-m-xylene	*73*		*21 - 150*

Lab Sample ID: 460-323536-7 MS
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDD	0.0072	U	0.143	0.115		mg/Kg	☼	81	70 - 138
4,4'-DDD	0.0072	U	0.143	0.107		mg/Kg	☼	75	70 - 138
4,4'-DDE	0.0072	U	0.143	0.108		mg/Kg	☼	76	68 - 136
4,4'-DDE	0.0072	U	0.143	0.109		mg/Kg	☼	76	68 - 136
4,4'-DDT	0.0072	U	0.143	0.118		mg/Kg	☼	83	66 - 149
4,4'-DDT	0.0072	U	0.143	0.0972		mg/Kg	☼	68	66 - 149
Aldrin	0.0072	U	0.143	0.102		mg/Kg	☼	72	69 - 136
Aldrin	0.0072	U	0.143	0.102		mg/Kg	☼	71	69 - 136
alpha-BHC	0.0021	U	0.143	0.104		mg/Kg	☼	73	72 - 134
alpha-BHC	0.0021	U	0.143	0.105		mg/Kg	☼	74	72 - 134
beta-BHC	0.0021	U	0.143	0.101		mg/Kg	☼	71	71 - 130
beta-BHC	0.0021	U	0.143	0.105		mg/Kg	☼	73	71 - 130
cis-Chlordane	0.0072	U	0.143	0.110		mg/Kg	☼	77	69 - 135
cis-Chlordane	0.0072	U	0.143	0.108		mg/Kg	☼	76	69 - 135
delta-BHC	0.0021	U	0.143	0.107		mg/Kg	☼	75	69 - 140
delta-BHC	0.0021	U	0.143	0.104		mg/Kg	☼	73	69 - 140
Dieldrin	0.0021	U	0.143	0.106		mg/Kg	☼	74	69 - 134
Dieldrin	0.0021	U	0.143	0.105		mg/Kg	☼	74	69 - 134
Endosulfan I	0.0072	U	0.143	0.108		mg/Kg	☼	76	69 - 133
Endosulfan I	0.0072	U	0.143	0.107		mg/Kg	☼	75	69 - 133
Endosulfan II	0.0072	U	0.143	0.112		mg/Kg	☼	79	71 - 137
Endosulfan II	0.0072	U	0.143	0.108		mg/Kg	☼	76	71 - 137
Endosulfan sulfate	0.0072	U	0.143	0.112		mg/Kg	☼	79	61 - 140
Endosulfan sulfate	0.0072	U	0.143	0.100		mg/Kg	☼	70	61 - 140
Endrin	0.0072	U	0.143	0.106		mg/Kg	☼	75	67 - 141
Endrin	0.0072	U	0.143	0.109		mg/Kg	☼	77	67 - 141
Endrin aldehyde	0.0072	U	0.143	0.0994	*	mg/Kg	☼	70	71 - 136
Endrin aldehyde	0.0072	U	0.143	0.0914	*	mg/Kg	☼	64	71 - 136
Endrin ketone	0.0072	U	0.143	0.120		mg/Kg	☼	84	60 - 146

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323536-7 MS
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Endrin ketone	0.0072	U	0.143	0.111		mg/Kg	☼	78	60 - 146
gamma-BHC (Lindane)	0.0021	U	0.143	0.105		mg/Kg	☼	74	72 - 139
gamma-BHC (Lindane)	0.0021	U	0.143	0.0999	*	mg/Kg	☼	70	72 - 139
Heptachlor	0.0072	U	0.143	0.112		mg/Kg	☼	78	74 - 138
Heptachlor	0.0072	U	0.143	0.108		mg/Kg	☼	76	74 - 138
Heptachlor epoxide	0.0072	U	0.143	0.107		mg/Kg	☼	75	72 - 134
Heptachlor epoxide	0.0072	U	0.143	0.105		mg/Kg	☼	74	72 - 134
Methoxychlor	0.0072	U	0.143	0.137		mg/Kg	☼	96	60 - 150
Methoxychlor	0.0072	U	0.143	0.0959		mg/Kg	☼	67	60 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*67*		*17 - 150*
DCB Decachlorobiphenyl	*61*		*17 - 150*
Tetrachloro-m-xylene	*62*		*21 - 150*
Tetrachloro-m-xylene	*65*		*21 - 150*

Lab Sample ID: 460-323536-7 MSD
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
4,4'-DDD	0.0072	U	0.143	0.136		mg/Kg	☼	95	70 - 138	16	30
4,4'-DDD	0.0072	U	0.143	0.125		mg/Kg	☼	88	70 - 138	16	30
4,4'-DDE	0.0072	U	0.143	0.128		mg/Kg	☼	90	68 - 136	17	30
4,4'-DDE	0.0072	U	0.143	0.129		mg/Kg	☼	90	68 - 136	17	30
4,4'-DDT	0.0072	U	0.143	0.139		mg/Kg	☼	98	66 - 149	16	30
4,4'-DDT	0.0072	U	0.143	0.113		mg/Kg	☼	80	66 - 149	15	30
Aldrin	0.0072	U	0.143	0.120		mg/Kg	☼	84	69 - 136	16	30
Aldrin	0.0072	U	0.143	0.121		mg/Kg	☼	85	69 - 136	18	30
alpha-BHC	0.0021	U	0.143	0.124		mg/Kg	☼	87	72 - 134	18	30
alpha-BHC	0.0021	U	0.143	0.126		mg/Kg	☼	88	72 - 134	18	30
beta-BHC	0.0021	U	0.143	0.120		mg/Kg	☼	84	71 - 130	17	30
beta-BHC	0.0021	U	0.143	0.124		mg/Kg	☼	87	71 - 130	17	30
cis-Chlordane	0.0072	U	0.143	0.130		mg/Kg	☼	91	69 - 135	17	30
cis-Chlordane	0.0072	U	0.143	0.128		mg/Kg	☼	90	69 - 135	17	30
delta-BHC	0.0021	U	0.143	0.128		mg/Kg	☼	90	69 - 140	18	30
delta-BHC	0.0021	U	0.143	0.126		mg/Kg	☼	88	69 - 140	18	30
Dieldrin	0.0021	U	0.143	0.126		mg/Kg	☼	88	69 - 134	17	30
Dieldrin	0.0021	U	0.143	0.124		mg/Kg	☼	87	69 - 134	17	30
Endosulfan I	0.0072	U	0.143	0.128		mg/Kg	☼	90	69 - 133	17	30
Endosulfan I	0.0072	U	0.143	0.127		mg/Kg	☼	89	69 - 133	17	30
Endosulfan II	0.0072	U	0.143	0.132		mg/Kg	☼	93	71 - 137	16	30
Endosulfan II	0.0072	U	0.143	0.126		mg/Kg	☼	89	71 - 137	16	30
Endosulfan sulfate	0.0072	U	0.143	0.132		mg/Kg	☼	92	61 - 140	16	30
Endosulfan sulfate	0.0072	U	0.143	0.118		mg/Kg	☼	82	61 - 140	16	30
Endrin	0.0072	U	0.143	0.127		mg/Kg	☼	89	67 - 141	17	30
Endrin	0.0072	U	0.143	0.131		mg/Kg	☼	92	67 - 141	18	30
Endrin aldehyde	0.0072	U	0.143	0.117		mg/Kg	☼	82	71 - 136	16	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-323536-7 MSD
Matrix: Solid
Analysis Batch: 1030464

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030388

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Endrin aldehyde	0.0072	U	0.143	0.108		mg/Kg	☼	76	71 - 136	17	30
Endrin ketone	0.0072	U	0.143	0.140		mg/Kg	☼	98	60 - 146	16	30
Endrin ketone	0.0072	U	0.143	0.128		mg/Kg	☼	90	60 - 146	15	30
gamma-BHC (Lindane)	0.0021	U	0.143	0.126		mg/Kg	☼	88	72 - 139	18	30
gamma-BHC (Lindane)	0.0021	U	0.143	0.119		mg/Kg	☼	84	72 - 139	18	30
Heptachlor	0.0072	U	0.143	0.132		mg/Kg	☼	93	74 - 138	17	30
Heptachlor	0.0072	U	0.143	0.128		mg/Kg	☼	90	74 - 138	17	30
Heptachlor epoxide	0.0072	U	0.143	0.126		mg/Kg	☼	89	72 - 134	17	30
Heptachlor epoxide	0.0072	U	0.143	0.125		mg/Kg	☼	87	72 - 134	17	30
Methoxychlor	0.0072	U	0.143	0.160		mg/Kg	☼	112	60 - 150	15	30
Methoxychlor	0.0072	U	0.143	0.110		mg/Kg	☼	77	60 - 150	14	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*79*		*17 - 150*
DCB Decachlorobiphenyl	*71*		*17 - 150*
Tetrachloro-m-xylene	*76*		*21 - 150*
Tetrachloro-m-xylene	*81*		*21 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-1030389/1-A
Matrix: Solid
Analysis Batch: 1030446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1016	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1221	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1232	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1242	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1248	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1254	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1260	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor-1262	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Aroclor 1268	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1
Polychlorinated biphenyls, Total	0.067	U	0.067	0.018	mg/Kg		04/08/25 10:47	04/08/25 19:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*20 - 150*	*04/08/25 10:47*	*04/08/25 19:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-1030389/1-A
Matrix: Solid
Analysis Batch: 1030446

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030389

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		20 - 150	04/08/25 10:47	04/08/25 19:58	1
Tetrachloro-m-xylene	107		20 - 150	04/08/25 10:47	04/08/25 19:58	1
Tetrachloro-m-xylene	120		20 - 150	04/08/25 10:47	04/08/25 19:58	1

Lab Sample ID: LCS 460-1030389/2-A
Matrix: Solid
Analysis Batch: 1030446

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030389

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			0.333	0.310		mg/Kg		93	54 - 136		
Aroclor 1016			0.333	0.287		mg/Kg		86	54 - 136		
Aroclor 1260			0.333	0.306		mg/Kg		92	53 - 145		
Aroclor 1260			0.333	0.309		mg/Kg		93	53 - 145		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	78		20 - 150
DCB Decachlorobiphenyl	87		20 - 150
Tetrachloro-m-xylene	90		20 - 150
Tetrachloro-m-xylene	90		20 - 150

Lab Sample ID: LCSD 460-1030389/3-A
Matrix: Solid
Analysis Batch: 1030446

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 1030389

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.312		mg/Kg		94	54 - 136	1	30
Aroclor 1016			0.333	0.379		mg/Kg		114	54 - 136	28	30
Aroclor 1260			0.333	0.297		mg/Kg		89	53 - 145	3	30
Aroclor 1260			0.333	0.366		mg/Kg		110	53 - 145	17	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	84		20 - 150
DCB Decachlorobiphenyl	105		20 - 150
Tetrachloro-m-xylene	108		20 - 150
Tetrachloro-m-xylene	137		20 - 150

Lab Sample ID: 460-323536-7 MS
Matrix: Solid
Analysis Batch: 1030522

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030389

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.072	U	0.357	0.330		mg/Kg	☼	92	54 - 136		
Aroclor 1016	0.072	U	0.357	0.358		mg/Kg	☼	101	54 - 136		
Aroclor 1260	0.072	U	0.357	0.322		mg/Kg	☼	90	53 - 145		
Aroclor 1260	0.072	U	0.357	0.383		mg/Kg	☼	107	53 - 145		

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-323536-7 MS
Matrix: Solid
Analysis Batch: 1030522

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030389

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	87		20 - 150
DCB Decachlorobiphenyl	100		20 - 150
Tetrachloro-m-xylene	100		20 - 150
Tetrachloro-m-xylene	114		20 - 150

Lab Sample ID: 460-323536-7 MSD
Matrix: Solid
Analysis Batch: 1030522

Client Sample ID: 14D_0-9
Prep Type: Total/NA
Prep Batch: 1030389

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.072	U	0.357	0.310		mg/Kg	☼	87	54 - 136	6	30
Aroclor 1016	0.072	U	0.357	0.321		mg/Kg	☼	90	54 - 136	11	30
Aroclor 1260	0.072	U	0.357	0.303		mg/Kg	☼	85	53 - 145	6	30
Aroclor 1260	0.072	U	0.357	0.348		mg/Kg	☼	98	53 - 145	9	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	83		20 - 150
DCB Decachlorobiphenyl	96		20 - 150
Tetrachloro-m-xylene	87		20 - 150
Tetrachloro-m-xylene	112		20 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS

Lab Sample ID: MB 240-651364/1-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorohexanoic acid (PFHxA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoroheptanoic acid (PFHpA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorooctanoic acid (PFOA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorononanoic acid (PFNA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorodecanoic acid (PFDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoroundecanoic acid (PFUnA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorododecanoic acid (PFDoA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorotridecanoic acid (PFTrDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorotetradecanoic acid (PFTeDA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorobutanesulfonic acid (PFBS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoropentanesulfonic acid (PFPeS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorohexanesulfonic acid (PFHxS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoroheptanesulfonic acid (PFHpS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorooctanesulfonic acid (PFOS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorononanesulfonic acid (PFNS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorododecanesulfonic acid (PFDoS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651364/1-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651364

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorooctanesulfonamide (PFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	U	1.25	0.31	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.50	U	0.50	0.13	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.63	U	0.63	0.16	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	U	3.13	0.78	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluorodecanesulfonic acid (PFDS)	0.13	U	0.13	0.031	ug/Kg		04/08/25 14:24	04/09/25 20:34	1
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.25	U	0.25	0.063	ug/Kg		04/08/25 14:24	04/09/25 20:34	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93.3*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C5 PFPeA	*101*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C5 PFHxA	*94.5*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C4 PFHpA	*113*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C8 PFOA	*86.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C9 PFNA	*90.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C6 PFDA	*93.0*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C7 PFUnA	*153*	*	*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C2 PFTeDA	*83.7*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*
13C3 PFBS	*99.9*		*20 - 150*	*04/08/25 14:24*	*04/09/25 20:34*	*1*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: MB 240-651364/1-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 651364

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFHxS	79.1		20 - 150	04/08/25 14:24	04/09/25 20:34	1
13C8 PFOS	94.6		20 - 150	04/08/25 14:24	04/09/25 20:34	1
13C8 FOSA	96.6		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d3-NMeFOSAA	94.7		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d5-NEtFOSAA	97.0		20 - 150	04/08/25 14:24	04/09/25 20:34	1
M2-4:2 FTS	80.8		20 - 150	04/08/25 14:24	04/09/25 20:34	1
M2-6:2 FTS	83.2		20 - 150	04/08/25 14:24	04/09/25 20:34	1
M2-8:2 FTS	81.4		20 - 150	04/08/25 14:24	04/09/25 20:34	1
13C3 HFPO-DA	103		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d7-N-MeFOSE-M	73.0		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d9-N-EtFOSE-M	65.4		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d5-NEtPFOSA	69.1		20 - 150	04/08/25 14:24	04/09/25 20:34	1
d3-NMePFOSA	84.4		20 - 150	04/08/25 14:24	04/09/25 20:34	1
13C2-PFDoDA	86.3		20 - 150	04/08/25 14:24	04/09/25 20:34	1

Lab Sample ID: LCS 240-651364/3-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	6.25	6.354		ug/Kg		102	40 - 150
Perfluoropentanoic acid (PFPeA)	3.13	3.104		ug/Kg		99	40 - 150
Perfluorohexanoic acid (PFHxA)	1.56	1.610		ug/Kg		103	40 - 150
Perfluoroheptanoic acid (PFHpA)	1.56	1.395		ug/Kg		89	40 - 150
Perfluorooctanoic acid (PFOA)	1.56	1.722		ug/Kg		110	40 - 150
Perfluorononanoic acid (PFNA)	1.56	1.639		ug/Kg		105	40 - 150
Perfluorodecanoic acid (PFDA)	1.56	1.814		ug/Kg		116	40 - 150
Perfluoroundecanoic acid (PFUnA)	1.56	1.075		ug/Kg		69	40 - 150
Perfluorododecanoic acid (PFDoA)	1.56	1.768		ug/Kg		113	40 - 150
Perfluorotridecanoic acid (PFTrDA)	1.56	1.690		ug/Kg		108	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	1.56	1.664		ug/Kg		107	40 - 150
Perfluorobutanesulfonic acid (PFBS)	1.39	1.280		ug/Kg		92	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	1.47	1.726		ug/Kg		117	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	1.43	1.606		ug/Kg		113	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	1.49	1.571		ug/Kg		105	40 - 150
Perfluorooctanesulfonic acid (PFOS)	1.45	1.557		ug/Kg		107	40 - 150
Perfluorononanesulfonic acid (PFNS)	1.50	1.544		ug/Kg		103	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	1.52	1.660		ug/Kg		110	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	5.86	6.274		ug/Kg		107	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651364/3-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	5.95	6.111		ug/Kg		103	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	6.00	6.166		ug/Kg		103	40 - 150
Perfluorooctanesulfonamide (PFOSA)	1.56	1.613		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	1.56	1.490		ug/Kg		95	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	1.56	1.686		ug/Kg		108	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.56	1.525		ug/Kg		98	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.56	1.616		ug/Kg		103	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	15.6	15.49		ug/Kg		99	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	15.6	15.78		ug/Kg		101	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	6.25	6.301		ug/Kg		101	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	5.91	6.006		ug/Kg		102	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	3.13	3.078		ug/Kg		99	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	3.13	3.382		ug/Kg		108	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.84	5.584		ug/Kg		96	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.90	5.871		ug/Kg		100	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	2.79	2.965		ug/Kg		106	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	7.81	7.375		ug/Kg		94	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	39.1	40.93		ug/Kg		105	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	39.1	37.85		ug/Kg		97	40 - 150
Perfluorodecanesulfonic acid (PFDS)	1.51	1.643		ug/Kg		109	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	3.13	3.129		ug/Kg		100	40 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*71.2*		*20 - 150*
13C5 PFPeA	*77.6*		*20 - 150*
13C5 PFHxA	*70.3*		*20 - 150*
13C4 PFHpA	*84.1*		*20 - 150*
13C8 PFOA	*63.2*		*20 - 150*
13C9 PFNA	*70.8*		*20 - 150*
13C6 PFDA	*66.6*		*20 - 150*
13C7 PFUnA	*112*		*20 - 150*
13C2 PFTeDA	*70.3*		*20 - 150*
13C3 PFBS	*74.2*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LCS 240-651364/3-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C3 PFHxS	*58.5*		*20 - 150*
13C8 PFOS	*69.6*		*20 - 150*
13C8 FOSA	*73.5*		*20 - 150*
d3-NMeFOSAA	*76.9*		*20 - 150*
d5-NEtFOSAA	*76.3*		*20 - 150*
M2-4:2 FTS	*64.4*		*20 - 150*
M2-6:2 FTS	*63.7*		*20 - 150*
M2-8:2 FTS	*61.9*		*20 - 150*
13C3 HFPO-DA	*77.5*		*20 - 150*
d7-N-MeFOSE-M	*61.5*		*20 - 150*
d9-N-EtFOSE-M	*57.6*		*20 - 150*
d5-NEtPFOSA	*57.8*		*20 - 150*
d3-NMePFOSA	*68.8*		*20 - 150*
13C2-PFDoDA	*68.8*		*20 - 150*

Lab Sample ID: LLCS 240-651364/2-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	0.500	0.527		ug/Kg		105	40 - 150
Perfluoropentanoic acid (PFPeA)	0.250	0.241	J	ug/Kg		96	40 - 150
Perfluorohexanoic acid (PFHxA)	0.125	0.133		ug/Kg		107	40 - 150
Perfluoroheptanoic acid (PFHpA)	0.125	0.109	J	ug/Kg		87	40 - 150
Perfluorooctanoic acid (PFOA)	0.125	0.135		ug/Kg		108	40 - 150
Perfluorononanoic acid (PFNA)	0.125	0.139		ug/Kg		111	40 - 150
Perfluorodecanoic acid (PFDA)	0.125	0.136		ug/Kg		109	40 - 150
Perfluoroundecanoic acid (PFUnA)	0.125	0.0855	J	ug/Kg		68	40 - 150
Perfluorododecanoic acid (PFDoA)	0.125	0.139		ug/Kg		111	40 - 150
Perfluorotridecanoic acid (PFTrDA)	0.125	0.135		ug/Kg		108	40 - 150
Perfluorotetradecanoic acid (PFTeDA)	0.125	0.136		ug/Kg		109	40 - 150
Perfluorobutanesulfonic acid (PFBS)	0.111	0.104	J	ug/Kg		94	40 - 150
Perfluoropentanesulfonic acid (PFPeS)	0.118	0.140		ug/Kg		119	40 - 150
Perfluorohexanesulfonic acid (PFHxS)	0.114	0.130		ug/Kg		114	40 - 150
Perfluoroheptanesulfonic acid (PFHpS)	0.119	0.127	J	ug/Kg		107	40 - 150
Perfluorooctanesulfonic acid (PFOS)	0.116	0.129	J	ug/Kg		111	40 - 150
Perfluorononanesulfonic acid (PFNS)	0.120	0.117	J	ug/Kg		98	40 - 150
Perfluorododecanesulfonic acid (PFDoS)	0.121	0.0897	J	ug/Kg		74	40 - 150
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.469	0.486	J	ug/Kg		104	40 - 150

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651364/2-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.476	0.457	J	ug/Kg		96	40 - 150
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.480	0.523		ug/Kg		109	40 - 150
Perfluorooctanesulfonamide (PFOSA)	0.125	0.128	J	ug/Kg		102	40 - 150
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.125	0.114	J	ug/Kg		92	40 - 150
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.125	0.131		ug/Kg		104	40 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.125	0.128	J	ug/Kg		102	40 - 150
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.125	0.126	J	ug/Kg		101	40 - 150
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.25	1.179	J	ug/Kg		94	40 - 150
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.25	1.246	J	ug/Kg		100	40 - 150
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.500	0.502		ug/Kg		100	40 - 150
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.473	0.460	J	ug/Kg		97	40 - 150
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.250	0.243	J	ug/Kg		97	40 - 150
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.250	0.276		ug/Kg		110	40 - 150
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.467	0.437	J	ug/Kg		93	40 - 150
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.472	0.405	J	ug/Kg		86	40 - 150
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.223	0.233	J	ug/Kg		104	40 - 150
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.625	0.555	J	ug/Kg		89	40 - 150
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.13	3.076	J	ug/Kg		98	40 - 150
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.13	2.805	J	ug/Kg		90	40 - 150
Perfluorodecanesulfonic acid (PFDS)	0.121	0.116	J	ug/Kg		96	40 - 150
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.250	0.249	J	ug/Kg		100	40 - 150

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C4 PFBA	*92.8*		*20 - 150*
13C5 PFPeA	*103*		*20 - 150*
13C5 PFHxA	*95.8*		*20 - 150*
13C4 PFHpA	*111*		*20 - 150*
13C8 PFOA	*85.4*		*20 - 150*
13C9 PFNA	*88.4*		*20 - 150*
13C6 PFDA	*89.6*		*20 - 150*
13C7 PFUnA	*145*		*20 - 150*
13C2 PFTeDA	*64.1*		*20 - 150*
13C3 PFBS	*96.4*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: LLCS 240-651364/2-A
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 651364

Isotope Dilution	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
13C3 PFHxS	*79.2*		*20 - 150*
13C8 PFOS	*91.9*		*20 - 150*
13C8 FOSA	*92.7*		*20 - 150*
d3-NMeFOSAA	*91.3*		*20 - 150*
d5-NEtFOSAA	*85.9*		*20 - 150*
M2-4:2 FTS	*86.0*		*20 - 150*
M2-6:2 FTS	*81.8*		*20 - 150*
M2-8:2 FTS	*78.5*		*20 - 150*
13C3 HFPO-DA	*104*		*20 - 150*
d7-N-MeFOSE-M	*42.3*		*20 - 150*
d9-N-EtFOSE-M	*34.6*		*20 - 150*
d5-NEtPFOSA	*66.5*		*20 - 150*
d3-NMePFOSA	*83.7*		*20 - 150*
13C2-PFDoDA	*79.2*		*20 - 150*

Lab Sample ID: 460-323129-G-4-B DU
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	0.55	U	0.55	U	ug/Kg	☼	NC	30
Perfluoropentanoic acid (PFPeA)	0.11	J	0.116	J	ug/Kg	☼	3	30
Perfluorohexanoic acid (PFHxA)	0.044	J	0.0361	J	ug/Kg	☼	19	30
Perfluoroheptanoic acid (PFHpA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanoic acid (PFOA)	0.13	J	0.122	J	ug/Kg	☼	8	30
Perfluorononanoic acid (PFNA)	0.088	J	0.0776	J	ug/Kg	☼	13	30
Perfluorodecanoic acid (PFDA)	0.12	J	0.0807	J	ug/Kg	☼	38	30
Perfluoroundecanoic acid (PFUnA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanoic acid (PFDoA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorotridecanoic acid (PFTrDA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorotetradecanoic acid (PFTeDA)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorobutanesulfonic acid (PFBS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoropentanesulfonic acid (PFPeS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorohexanesulfonic acid (PFHxS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluoroheptanesulfonic acid (PFHpS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorooctanesulfonic acid (PFOS)	0.80		0.701		ug/Kg	☼	13	30
Perfluorononanesulfonic acid (PFNS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
Perfluorododecanesulfonic acid (PFDoS)	0.14	U	0.14	U	ug/Kg	☼	NC	30
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS)	0.55	U	0.55	U	ug/Kg	☼	NC	30

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323129-G-4-B DU
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651364

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS)	0.55	U		0.55	U	ug/Kg	☼			NC	30
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)	0.55	U		0.55	U	ug/Kg	☼			NC	30
Perfluorooctanesulfonamide (PFOSA)	0.14	U		0.14	U	ug/Kg	☼			NC	30
N-methylperfluorooctane sulfonamide (NMeFOSA)	0.14	U		0.14	U	ug/Kg	☼			NC	30
N-ethylperfluorooctane sulfonamide (NEtFOSA)	0.14	U		0.14	U	ug/Kg	☼			NC	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.14	U		0.14	U	ug/Kg	☼			NC	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.14	U		0.14	U	ug/Kg	☼			NC	30
N-methylperfluorooctane sulfonamidoethanol (NMeFOSE)	1.38	U		1.38	U	ug/Kg	☼			NC	30
N-ethylperfluorooctane sulfonamidoethanol (NEtFOSE)	1.38	U		1.38	U	ug/Kg	☼			NC	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	0.55	U		0.55	U	ug/Kg	☼			NC	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.55	U		0.55	U	ug/Kg	☼			NC	30
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.28	U		0.28	U	ug/Kg	☼			NC	30
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.28	U		0.28	U	ug/Kg	☼			NC	30
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	0.55	U		0.55	U	ug/Kg	☼			NC	30
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	0.55	U		0.55	U	ug/Kg	☼			NC	30
Perfluoro (2-ethoxyethane) sulfonic acid (PFEESA)	0.28	U		0.28	U	ug/Kg	☼			NC	30
3-Perfluoropropylpropanoic acid (3:3 FTCA)	0.69	U		0.69	U	ug/Kg	☼			NC	30
3-Perfluoropentylpropanoic acid (5:3 FTCA)	3.46	U		3.46	U	ug/Kg	☼			NC	30
3-Perfluoroheptylpropanoic acid (7:3 FTCA)	3.46	U		3.46	U	ug/Kg	☼			NC	30
Perfluorodecanesulfonic acid (PFDS)	0.14	U		0.14	U	ug/Kg	☼			NC	30
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.28	U		0.28	U	ug/Kg	☼			NC	30

Isotope Dilution	*DU %Recovery*	*DU Qualifier*	*Limits*
13C4 PFBA	*91.2*		*20 - 150*
13C5 PFPeA	*103*		*20 - 150*
13C5 PFHxA	*91.0*		*20 - 150*
13C4 PFHpA	*108*		*20 - 150*
13C8 PFOA	*82.8*		*20 - 150*
13C9 PFNA	*88.4*		*20 - 150*
13C6 PFDA	*79.5*		*20 - 150*
13C7 PFUnA	*129*		*20 - 150*
13C2 PFTeDA	*48.3*		*20 - 150*
13C3 PFBS	*84.1*		*20 - 150*

Method: 1633 - Per- and Polyfluoroalkyl Substances by LC/MS/MS (Continued)

Lab Sample ID: 460-323129-G-4-B DU
Matrix: Solid
Analysis Batch: 651527

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 651364

Isotope Dilution	DU %Recovery	DU Qualifier	Limits
13C3 PFHxS	68.6		20 - 150
13C8 PFOS	74.2		20 - 150
13C8 FOSA	86.0		20 - 150
d3-NMeFOSAA	83.5		20 - 150
d5-NEtFOSAA	77.8		20 - 150
M2-4:2 FTS	71.6		20 - 150
M2-6:2 FTS	68.1		20 - 150
M2-8:2 FTS	60.7		20 - 150
13C3 HFPO-DA	99.1		20 - 150
d7-N-MeFOSE-M	39.8		20 - 150
d9-N-EtFOSE-M	27.4		20 - 150
d5-NEtPFOSA	59.9		20 - 150
d3-NMePFOSA	73.1		20 - 150
13C2-PFDoDA	70.6		20 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-1031012/1-A
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	20.0	U	20.0	5.5	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Antimony	1.0	U	1.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Arsenic	1.0	U	1.0	0.10	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Barium	2.0	U	2.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Calcium	100	U	100	40.7	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Chromium	2.0	U	2.0	0.91	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Cobalt	2.0	U	2.0	0.15	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Copper	2.0	U	2.0	0.37	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Iron	60.0	U	60.0	20.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Lead	0.60	U	0.60	0.20	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Magnesium	100	U	100	10.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Manganese	4.0	U	4.0	0.40	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Nickel	2.0	U	2.0	0.47	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Potassium	100	U	100	16.2	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Selenium	1.3	U	1.3	0.13	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Silver	0.40	U	0.40	0.089	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Sodium	100	U	100	45.7	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Thallium	0.40	U	0.40	0.041	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Vanadium	2.0	U	2.0	0.21	mg/Kg		04/11/25 08:00	04/11/25 18:47	1
Zinc	8.0	U	8.0	3.1	mg/Kg		04/11/25 08:00	04/11/25 18:47	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-1031012/2-A ^3
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	6840	6851		mg/Kg		100.2	53.2 - 146.2
Antimony	131	107.2		mg/Kg		81.9	4.5 - 195.4
Arsenic	192	175.4		mg/Kg		91.4	81.3 - 118.8
Barium	219	190.2		mg/Kg		86.9	81.7 - 118.3
Beryllium	146	142.2		mg/Kg		97.4	82.2 - 117.8
Cadmium	114	106.0		mg/Kg		93.0	81.7 - 118.4
Calcium	4080	3937		mg/Kg		96.5	82.4 - 117.6
Chromium	153	144.0		mg/Kg		94.1	81.0 - 119.0
Cobalt	231	218.1		mg/Kg		94.4	83.1 - 117.3
Copper	91.2	84.38		mg/Kg		92.5	83.1 - 117.3
Iron	7020	6783		mg/Kg		96.6	60.7 - 139.2
Lead	141	127.8		mg/Kg		90.6	81.6 - 118.4
Magnesium	1900	1835		mg/Kg		96.6	76.3 - 123.7
Manganese	401	368.6		mg/Kg		91.9	80.8 - 119.0
Nickel	143	136.0		mg/Kg		95.1	81.8 - 118.9
Potassium	1760	1723		mg/Kg		97.9	72.2 - 127.8
Selenium	94.7	88.28		mg/Kg		93.2	78.5 - 121.4
Silver	77.0	72.28		mg/Kg		93.9	79.4 - 120.6
Sodium	661	645.3		mg/Kg		97.6	73.7 - 126.2
Thallium	183	201.2		mg/Kg		110.0	80.3 - 119.7
Vanadium	159	146.5		mg/Kg		92.1	78.6 - 122.0
Zinc	292	276.4		mg/Kg		94.6	79.8 - 120.2

Lab Sample ID: 460-323536-1 MS
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 14A_0-5
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	7450		551	6774	4	mg/Kg	☼	-123	75 - 125
Antimony	1.9		5.51	4.45	N	mg/Kg	☼	46	75 - 125
Arsenic	9.9		11.0	18.58		mg/Kg	☼	79	75 - 125
Barium	61.3		11.0	47.84	4	mg/Kg	☼	-122	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-323536-1 MS
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 14A_0-5
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Beryllium	0.80		5.51	5.09		mg/Kg	☼	78	75 - 125
Cadmium	0.40	J	5.51	4.60		mg/Kg	☼	76	75 - 125
Calcium	6110		551	5032	4	mg/Kg	☼	-196	75 - 125
Chromium	23.0		11.0	24.99	N	mg/Kg	☼	18	75 - 125
Cobalt	7.3		5.51	8.98	N	mg/Kg	☼	30	75 - 125
Copper	78.3		11.0	67.93	4	mg/Kg	☼	-94	75 - 125
Iron	19300		551	16100	4	mg/Kg	☼	-586	75 - 125
Lead	207		5.51	147.2	4	mg/Kg	☼	-1084	75 - 125
Magnesium	4270		551	3754	4	mg/Kg	☼	-94	75 - 125
Manganese	110		55.1	129.6	N	mg/Kg	☼	35	75 - 125
Nickel	26.5		11.0	26.13	N	mg/Kg	☼	-4	75 - 125
Potassium	1230		551	1695		mg/Kg	☼	85	75 - 125
Selenium	0.35	J	11.0	8.90		mg/Kg	☼	78	75 - 125
Silver	0.38	J	5.51	4.79		mg/Kg	☼	80	75 - 125
Sodium	105	J	551	510.1	N	mg/Kg	☼	74	75 - 125
Thallium	0.083	J	4.41	3.59		mg/Kg	☼	80	75 - 125
Vanadium	25.6		11.0	31.00	N	mg/Kg	☼	49	75 - 125
Zinc	364		55.1	229.2	4	mg/Kg	☼	-244	75 - 125

Lab Sample ID: 460-323536-1 DU
Matrix: Solid
Analysis Batch: 1031186

Client Sample ID: 14A_0-5
Prep Type: Total/NA
Prep Batch: 1031012

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	7450		6433		mg/Kg	☼	15	20
Antimony	1.9		2.00		mg/Kg	☼	3	20
Arsenic	9.9		9.80		mg/Kg	☼	1	20
Barium	61.3		52.85		mg/Kg	☼	15	20
Beryllium	0.80		0.625		mg/Kg	☼	24	20
Cadmium	0.40	J	0.414	J	mg/Kg	☼	3	20
Calcium	6110		5519		mg/Kg	☼	10	20
Chromium	23.0		19.78		mg/Kg	☼	15	20
Cobalt	7.3		4.97	*	mg/Kg	☼	38	20
Copper	78.3		60.86	*	mg/Kg	☼	25	20
Iron	19300		19550		mg/Kg	☼	1	20
Lead	207		162.2	*	mg/Kg	☼	24	20
Magnesium	4270		3716		mg/Kg	☼	14	20
Manganese	110		105.5		mg/Kg	☼	5	20
Nickel	26.5		17.84	*	mg/Kg	☼	39	20
Potassium	1230		1144		mg/Kg	☼	7	20
Selenium	0.35	J	0.345	J	mg/Kg	☼	1	20
Silver	0.38	J	0.332	J	mg/Kg	☼	13	20
Sodium	105	J	93.93	J	mg/Kg	☼	11	20
Thallium	0.083	J	0.0847	J	mg/Kg	☼	2	20
Vanadium	25.6		23.31		mg/Kg	☼	10	20
Zinc	364		204.3	*	mg/Kg	☼	56	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-1030735/1-A
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/10/25 01:10	04/10/25 05:01	1

Lab Sample ID: LCSSRM 460-1030735/2-A ^40
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	13.86		mg/Kg		98.3	69.6 - 130.5

Lab Sample ID: 460-323525-A-6-F MS
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.017	J	0.0926	0.110		mg/Kg	☼	101	80 - 120

Lab Sample ID: 460-323525-A-6-E DU
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 1030735

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.017	J	0.0186	J	mg/Kg	☼	10	20

Lab Sample ID: MB 460-1030736/1-A
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1030736

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		04/10/25 01:24	04/10/25 05:57	1

Lab Sample ID: LCSSRM 460-1030736/2-A ^40
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1030736

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	14.1	14.13		mg/Kg		100.2	69.6 - 130.5

Lab Sample ID: 460-323536-4 MS
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: 14B_5-10
Prep Type: Total/NA
Prep Batch: 1030736

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.030		0.0927	0.131		mg/Kg	☼	109	80 - 120

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-323536-4 DU
Matrix: Solid
Analysis Batch: 1030773

Client Sample ID: 14B_5-10
Prep Type: Total/NA
Prep Batch: 1030736

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.030			0.0318		mg/Kg	☼			6	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-323583-A-1 DU
Matrix: Solid
Analysis Batch: 1030354

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	13.4			14.6		%				8	20
Percent Solids	86.6			85.4		%				1	20

GC/MS Semi VOA

Prep Batch: 1030282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-9	14E_0-9	Total/NA	Solid	3546	
460-323536-10	14E_9-18	Total/NA	Solid	3546	
460-323536-11	14F_0-5	Total/NA	Solid	3546	
460-323536-12	14F_5-10	Total/NA	Solid	3546	
MB 460-1030282/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030282/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030282/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323511-E-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-323511-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1030314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-9	14E_0-9	Total/NA	Solid	8270E	1030282
460-323536-10	14E_9-18	Total/NA	Solid	8270E	1030282
460-323536-11	14F_0-5	Total/NA	Solid	8270E	1030282
460-323536-12	14F_5-10	Total/NA	Solid	8270E	1030282
MB 460-1030282/1-A	Method Blank	Total/NA	Solid	8270E	1030282
LCS 460-1030282/2-A	Lab Control Sample	Total/NA	Solid	8270E	1030282
LCSD 460-1030282/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1030282
460-323511-E-1-A MS	Matrix Spike	Total/NA	Solid	8270E	1030282
460-323511-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1030282

Prep Batch: 1030380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	3546	
460-323536-2	14A_5-10	Total/NA	Solid	3546	
460-323536-3	14B_0-5	Total/NA	Solid	3546	
460-323536-4	14B_5-10	Total/NA	Solid	3546	
460-323536-5	14C_0-6	Total/NA	Solid	3546	
460-323536-6	14C_6-12	Total/NA	Solid	3546	
460-323536-7	14D_0-9	Total/NA	Solid	3546	
460-323536-8	14D_9-8	Total/NA	Solid	3546	
MB 460-1030380/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030380/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030380/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323220-A-2-B MS	Matrix Spike	Total/NA	Solid	3546	
460-323220-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 1030449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	8270E	1030380
460-323536-2	14A_5-10	Total/NA	Solid	8270E	1030380
460-323536-3	14B_0-5	Total/NA	Solid	8270E	1030380
460-323536-4	14B_5-10	Total/NA	Solid	8270E	1030380
460-323536-5	14C_0-6	Total/NA	Solid	8270E	1030380
460-323536-6	14C_6-12	Total/NA	Solid	8270E	1030380
460-323536-7	14D_0-9	Total/NA	Solid	8270E	1030380
MB 460-1030380/1-A	Method Blank	Total/NA	Solid	8270E	1030380
LCS 460-1030380/2-A	Lab Control Sample	Total/NA	Solid	8270E	1030380
LCSD 460-1030380/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	1030380
460-323220-A-2-B MS	Matrix Spike	Total/NA	Solid	8270E	1030380

GC/MS Semi VOA

Analysis Batch: 1030546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-8	14D_9-8	Total/NA	Solid	8270E	1030380

Analysis Batch: 1030755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323220-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	1030380

GC Semi VOA

Prep Batch: 1030388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	3546	
460-323536-2	14A_5-10	Total/NA	Solid	3546	
460-323536-3	14B_0-5	Total/NA	Solid	3546	
460-323536-4	14B_5-10	Total/NA	Solid	3546	
460-323536-5	14C_0-6	Total/NA	Solid	3546	
460-323536-6	14C_6-12	Total/NA	Solid	3546	
460-323536-7	14D_0-9	Total/NA	Solid	3546	
460-323536-8	14D_9-8	Total/NA	Solid	3546	
460-323536-9	14E_0-9	Total/NA	Solid	3546	
460-323536-10	14E_9-18	Total/NA	Solid	3546	
460-323536-11	14F_0-5	Total/NA	Solid	3546	
460-323536-12	14F_5-10	Total/NA	Solid	3546	
MB 460-1030388/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030388/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030388/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323536-7 MS	14D_0-9	Total/NA	Solid	3546	
460-323536-7 MSD	14D_0-9	Total/NA	Solid	3546	

Prep Batch: 1030389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	3546	
460-323536-2	14A_5-10	Total/NA	Solid	3546	
460-323536-3	14B_0-5	Total/NA	Solid	3546	
460-323536-4	14B_5-10	Total/NA	Solid	3546	
460-323536-5	14C_0-6	Total/NA	Solid	3546	
460-323536-6	14C_6-12	Total/NA	Solid	3546	
460-323536-7	14D_0-9	Total/NA	Solid	3546	
460-323536-8	14D_9-8	Total/NA	Solid	3546	
460-323536-9	14E_0-9	Total/NA	Solid	3546	
460-323536-10	14E_9-18	Total/NA	Solid	3546	
460-323536-11	14F_0-5	Total/NA	Solid	3546	
460-323536-12	14F_5-10	Total/NA	Solid	3546	
MB 460-1030389/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-1030389/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-1030389/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-323536-7 MS	14D_0-9	Total/NA	Solid	3546	
460-323536-7 MSD	14D_0-9	Total/NA	Solid	3546	

Analysis Batch: 1030446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	8082A	1030389

GC Semi VOA (Continued)

Analysis Batch: 1030446 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-2	14A_5-10	Total/NA	Solid	8082A	1030389
460-323536-3	14B_0-5	Total/NA	Solid	8082A	1030389
460-323536-4	14B_5-10	Total/NA	Solid	8082A	1030389
460-323536-5	14C_0-6	Total/NA	Solid	8082A	1030389
460-323536-6	14C_6-12	Total/NA	Solid	8082A	1030389
460-323536-7	14D_0-9	Total/NA	Solid	8082A	1030389
460-323536-8	14D_9-8	Total/NA	Solid	8082A	1030389
460-323536-9	14E_0-9	Total/NA	Solid	8082A	1030389
460-323536-10	14E_9-18	Total/NA	Solid	8082A	1030389
460-323536-11	14F_0-5	Total/NA	Solid	8082A	1030389
460-323536-12	14F_5-10	Total/NA	Solid	8082A	1030389
MB 460-1030389/1-A	Method Blank	Total/NA	Solid	8082A	1030389
LCS 460-1030389/2-A	Lab Control Sample	Total/NA	Solid	8082A	1030389
LCSD 460-1030389/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	1030389

Analysis Batch: 1030464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	8081B	1030388
460-323536-2	14A_5-10	Total/NA	Solid	8081B	1030388
460-323536-3	14B_0-5	Total/NA	Solid	8081B	1030388
460-323536-4	14B_5-10	Total/NA	Solid	8081B	1030388
460-323536-5	14C_0-6	Total/NA	Solid	8081B	1030388
460-323536-6	14C_6-12	Total/NA	Solid	8081B	1030388
460-323536-7	14D_0-9	Total/NA	Solid	8081B	1030388
460-323536-8	14D_9-8	Total/NA	Solid	8081B	1030388
460-323536-9	14E_0-9	Total/NA	Solid	8081B	1030388
460-323536-10	14E_9-18	Total/NA	Solid	8081B	1030388
460-323536-11	14F_0-5	Total/NA	Solid	8081B	1030388
460-323536-12	14F_5-10	Total/NA	Solid	8081B	1030388
MB 460-1030388/1-A	Method Blank	Total/NA	Solid	8081B	1030388
LCS 460-1030388/2-A	Lab Control Sample	Total/NA	Solid	8081B	1030388
LCSD 460-1030388/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	1030388
460-323536-7 MS	14D_0-9	Total/NA	Solid	8081B	1030388
460-323536-7 MSD	14D_0-9	Total/NA	Solid	8081B	1030388

Analysis Batch: 1030522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-7 MS	14D_0-9	Total/NA	Solid	8082A	1030389
460-323536-7 MSD	14D_0-9	Total/NA	Solid	8082A	1030389

LCMS

Prep Batch: 651364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	1633 Shake	
460-323536-2	14A_5-10	Total/NA	Solid	1633 Shake	
460-323536-3	14B_0-5	Total/NA	Solid	1633 Shake	
460-323536-4	14B_5-10	Total/NA	Solid	1633 Shake	
460-323536-5	14C_0-6	Total/NA	Solid	1633 Shake	
460-323536-6	14C_6-12	Total/NA	Solid	1633 Shake	
460-323536-7	14D_0-9	Total/NA	Solid	1633 Shake	

LCMS (Continued)

Prep Batch: 651364 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-8	14D_9-8	Total/NA	Solid	1633 Shake	
460-323536-9	14E_0-9	Total/NA	Solid	1633 Shake	
460-323536-10	14E_9-18	Total/NA	Solid	1633 Shake	
460-323536-11	14F_0-5	Total/NA	Solid	1633 Shake	
460-323536-12	14F_5-10	Total/NA	Solid	1633 Shake	
MB 240-651364/1-A	Method Blank	Total/NA	Solid	1633 Shake	
LCS 240-651364/3-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
LLCS 240-651364/2-A	Lab Control Sample	Total/NA	Solid	1633 Shake	
460-323129-G-4-B DU	Duplicate	Total/NA	Solid	1633 Shake	

Analysis Batch: 651527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	1633	651364
460-323536-2	14A_5-10	Total/NA	Solid	1633	651364
460-323536-3	14B_0-5	Total/NA	Solid	1633	651364
460-323536-4	14B_5-10	Total/NA	Solid	1633	651364
460-323536-5	14C_0-6	Total/NA	Solid	1633	651364
460-323536-6	14C_6-12	Total/NA	Solid	1633	651364
460-323536-7	14D_0-9	Total/NA	Solid	1633	651364
460-323536-8	14D_9-8	Total/NA	Solid	1633	651364
460-323536-9	14E_0-9	Total/NA	Solid	1633	651364
460-323536-10	14E_9-18	Total/NA	Solid	1633	651364
460-323536-11	14F_0-5	Total/NA	Solid	1633	651364
460-323536-12	14F_5-10	Total/NA	Solid	1633	651364
MB 240-651364/1-A	Method Blank	Total/NA	Solid	1633	651364
LCS 240-651364/3-A	Lab Control Sample	Total/NA	Solid	1633	651364
LLCS 240-651364/2-A	Lab Control Sample	Total/NA	Solid	1633	651364
460-323129-G-4-B DU	Duplicate	Total/NA	Solid	1633	651364

Metals

Prep Batch: 1030735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	7471B	
460-323536-2	14A_5-10	Total/NA	Solid	7471B	
460-323536-3	14B_0-5	Total/NA	Solid	7471B	
MB 460-1030735/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030735/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-323525-A-6-F MS	Matrix Spike	Total/NA	Solid	7471B	
460-323525-A-6-E DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 1030736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-4	14B_5-10	Total/NA	Solid	7471B	
460-323536-5	14C_0-6	Total/NA	Solid	7471B	
460-323536-6	14C_6-12	Total/NA	Solid	7471B	
460-323536-7	14D_0-9	Total/NA	Solid	7471B	
460-323536-8	14D_9-8	Total/NA	Solid	7471B	
460-323536-9	14E_0-9	Total/NA	Solid	7471B	
460-323536-10	14E_9-18	Total/NA	Solid	7471B	
460-323536-11	14F_0-5	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 1030736 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-12	14F_5-10	Total/NA	Solid	7471B	
MB 460-1030736/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-1030736/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-323536-4 MS	14B_5-10	Total/NA	Solid	7471B	
460-323536-4 DU	14B_5-10	Total/NA	Solid	7471B	

Analysis Batch: 1030773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	7471B	1030735
460-323536-2	14A_5-10	Total/NA	Solid	7471B	1030735
460-323536-3	14B_0-5	Total/NA	Solid	7471B	1030735
460-323536-4	14B_5-10	Total/NA	Solid	7471B	1030736
460-323536-5	14C_0-6	Total/NA	Solid	7471B	1030736
460-323536-6	14C_6-12	Total/NA	Solid	7471B	1030736
460-323536-7	14D_0-9	Total/NA	Solid	7471B	1030736
460-323536-8	14D_9-8	Total/NA	Solid	7471B	1030736
460-323536-9	14E_0-9	Total/NA	Solid	7471B	1030736
460-323536-10	14E_9-18	Total/NA	Solid	7471B	1030736
460-323536-11	14F_0-5	Total/NA	Solid	7471B	1030736
460-323536-12	14F_5-10	Total/NA	Solid	7471B	1030736
MB 460-1030735/1-A	Method Blank	Total/NA	Solid	7471B	1030735
MB 460-1030736/1-A	Method Blank	Total/NA	Solid	7471B	1030736
LCSSRM 460-1030735/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1030735
LCSSRM 460-1030736/2-A ^	Lab Control Sample	Total/NA	Solid	7471B	1030736
460-323525-A-6-F MS	Matrix Spike	Total/NA	Solid	7471B	1030735
460-323536-4 MS	14B_5-10	Total/NA	Solid	7471B	1030736
460-323525-A-6-E DU	Duplicate	Total/NA	Solid	7471B	1030735
460-323536-4 DU	14B_5-10	Total/NA	Solid	7471B	1030736

Prep Batch: 1031012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	3050B	
460-323536-2	14A_5-10	Total/NA	Solid	3050B	
460-323536-3	14B_0-5	Total/NA	Solid	3050B	
460-323536-4	14B_5-10	Total/NA	Solid	3050B	
460-323536-5	14C_0-6	Total/NA	Solid	3050B	
460-323536-6	14C_6-12	Total/NA	Solid	3050B	
460-323536-7	14D_0-9	Total/NA	Solid	3050B	
460-323536-8	14D_9-8	Total/NA	Solid	3050B	
460-323536-9	14E_0-9	Total/NA	Solid	3050B	
460-323536-10	14E_9-18	Total/NA	Solid	3050B	
460-323536-11	14F_0-5	Total/NA	Solid	3050B	
460-323536-12	14F_5-10	Total/NA	Solid	3050B	
MB 460-1031012/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-1031012/2-A ^	Lab Control Sample	Total/NA	Solid	3050B	
460-323536-1 MS	14A_0-5	Total/NA	Solid	3050B	
460-323536-1 DU	14A_0-5	Total/NA	Solid	3050B	

Analysis Batch: 1031186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	6020B	1031012

Metals (Continued)

Analysis Batch: 1031186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-2	14A_5-10	Total/NA	Solid	6020B	1031012
460-323536-3	14B_0-5	Total/NA	Solid	6020B	1031012
460-323536-4	14B_5-10	Total/NA	Solid	6020B	1031012
460-323536-5	14C_0-6	Total/NA	Solid	6020B	1031012
460-323536-6	14C_6-12	Total/NA	Solid	6020B	1031012
460-323536-7	14D_0-9	Total/NA	Solid	6020B	1031012
460-323536-8	14D_9-8	Total/NA	Solid	6020B	1031012
460-323536-9	14E_0-9	Total/NA	Solid	6020B	1031012
460-323536-10	14E_9-18	Total/NA	Solid	6020B	1031012
460-323536-11	14F_0-5	Total/NA	Solid	6020B	1031012
460-323536-12	14F_5-10	Total/NA	Solid	6020B	1031012
MB 460-1031012/1-A	Method Blank	Total/NA	Solid	6020B	1031012
LCSSRM 460-1031012/2-A ^	Lab Control Sample	Total/NA	Solid	6020B	1031012
460-323536-1 MS	14A_0-5	Total/NA	Solid	6020B	1031012
460-323536-1 DU	14A_0-5	Total/NA	Solid	6020B	1031012

General Chemistry

Analysis Batch: 1030354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-323536-1	14A_0-5	Total/NA	Solid	Moisture	
460-323536-2	14A_5-10	Total/NA	Solid	Moisture	
460-323536-3	14B_0-5	Total/NA	Solid	Moisture	
460-323536-4	14B_5-10	Total/NA	Solid	Moisture	
460-323536-5	14C_0-6	Total/NA	Solid	Moisture	
460-323536-6	14C_6-12	Total/NA	Solid	Moisture	
460-323536-7	14D_0-9	Total/NA	Solid	Moisture	
460-323536-8	14D_9-8	Total/NA	Solid	Moisture	
460-323536-9	14E_0-9	Total/NA	Solid	Moisture	
460-323536-10	14E_9-18	Total/NA	Solid	Moisture	
460-323536-11	14F_0-5	Total/NA	Solid	Moisture	
460-323536-12	14F_5-10	Total/NA	Solid	Moisture	
460-323533-A-4 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-323533-A-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-323583-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14A_0-5
Date Collected: 04/04/25 08:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-1
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 04:46
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 00:49
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 21:05
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 21:57
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:00
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:47

Client Sample ID: 14A_5-10
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14A_5-10
Date Collected: 04/04/25 08:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-2
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/08/25 23:47
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 01:02
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 21:22
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 22:14
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:21
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:49

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14B_0-5
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14B_0-5
Date Collected: 04/04/25 08:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-3
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 00:10
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 01:14
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 21:38
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 22:30
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:23
Total/NA	Prep	7471B			1030735	TJS	EET EDI	04/10/25 01:10
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 05:51

Client Sample ID: 14B_5-10
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14B_5-10
Date Collected: 04/04/25 08:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-4
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 00:33
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 01:26
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 21:55
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 22:47
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:26
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:00

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14C_0-6
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14C_0-6
Date Collected: 04/04/25 08:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-5
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 00:56
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 01:39
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 22:12
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 23:03
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:28
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:07

Client Sample ID: 14C_6-12
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14C_6-12
Date Collected: 04/04/25 08:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-6
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 01:19
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 01:51
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 22:28
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/09/25 23:53
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:31
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:09

Client Sample ID: 14D_0-9
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14D_0-9
Date Collected: 04/04/25 09:00
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-7
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030449	MME	EET EDI	04/09/25 01:42
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 00:37
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 20:48
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 00:10
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:34
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:11

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14D_9-8
Date Collected: 04/04/25 09:10
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-8
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030380	OTS	EET EDI	04/08/25 10:12
Total/NA	Analysis	8270E		1	1030546	MDJ	EET EDI	04/09/25 13:48
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 02:03
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 22:45
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 00:26
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:36
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:13

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14E_0-9
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14E_0-9
Date Collected: 04/04/25 09:20
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-9
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030282	GXY	EET EDI	04/07/25 21:51
Total/NA	Analysis	8270E		1	1030314	MDJ	EET EDI	04/08/25 09:11
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 02:16
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 23:01
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 00:43
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:39
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:18

Client Sample ID: 14E_9-18
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14E_9-18
Date Collected: 04/04/25 09:30
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-10
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030282	GXY	EET EDI	04/07/25 21:51
Total/NA	Analysis	8270E		1	1030314	MDJ	EET EDI	04/08/25 09:29
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 02:28
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 23:19
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 01:00
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:41
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:20

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Client Sample ID: 14F_0-5
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14F_0-5
Date Collected: 04/04/25 09:40
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-11
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030282	GXY	EET EDI	04/07/25 21:51
Total/NA	Analysis	8270E		1	1030314	MDJ	EET EDI	04/08/25 09:46
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 02:52
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 23:35
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 01:16
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:49
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:22

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	1030354	DAN	EET EDI	04/08/25 08:30

Client Sample ID: 14F_5-10
Date Collected: 04/04/25 09:50
Date Received: 04/04/25 18:30

Lab Sample ID: 460-323536-12
Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			1030282	GXY	EET EDI	04/07/25 21:51
Total/NA	Analysis	8270E		1	1030314	MDJ	EET EDI	04/08/25 10:03
Total/NA	Prep	3546			1030388	FHW	EET EDI	04/08/25 10:43
Total/NA	Analysis	8081B		1	1030464	FAM	EET EDI	04/09/25 03:05
Total/NA	Prep	3546			1030389	FHW	EET EDI	04/08/25 10:47
Total/NA	Analysis	8082A		1	1030446	JHP	EET EDI	04/08/25 23:52
Total/NA	Prep	1633 Shake			651364	KML	EET CLE	04/08/25 14:24
Total/NA	Analysis	1633		1	651527	MRL	EET CLE	04/10/25 01:33
Total/NA	Prep	3050B			1031012	FBT	EET EDI	04/11/25 08:00
Total/NA	Analysis	6020B		1	1031186	CDC	EET EDI	04/11/25 19:51
Total/NA	Prep	7471B			1030736	TJS	EET EDI	04/10/25 01:24
Total/NA	Analysis	7471B		1	1030773	TJS	EET EDI	04/10/25 06:23

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-26
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kansas	NELAP	E-10336	01-31-26
Kentucky (UST)	State	112225	02-28-26
Kentucky (WW)	State	KY98016	12-31-25
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-01-26
Ohio	State	8303	11-04-25
Ohio VAP	State	ORELAP 4062	02-28-26
Oregon	NELAP	4062	02-27-26
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
US Fish & Wildlife	US Federal Programs	A26406	02-28-26
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-25
Wisconsin	State	399167560	08-31-25

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8081B	Organochlorine Pesticides (GC)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
1633	Per- and Polyfluoroalkyl Substances by LC/MS/MS	EPA	EET CLE
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
1633 Shake	Shake Extraction with SPE	EPA	EET CLE
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Former Port Mobil

Job ID: 460-323536-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-323536-1	14A_0-5	Solid	04/04/25 08:00	04/04/25 18:30
460-323536-2	14A_5-10	Solid	04/04/25 08:10	04/04/25 18:30
460-323536-3	14B_0-5	Solid	04/04/25 08:20	04/04/25 18:30
460-323536-4	14B_5-10	Solid	04/04/25 08:30	04/04/25 18:30
460-323536-5	14C_0-6	Solid	04/04/25 08:40	04/04/25 18:30
460-323536-6	14C_6-12	Solid	04/04/25 08:50	04/04/25 18:30
460-323536-7	14D_0-9	Solid	04/04/25 09:00	04/04/25 18:30
460-323536-8	14D_9-8	Solid	04/04/25 09:10	04/04/25 18:30
460-323536-9	14E_0-9	Solid	04/04/25 09:20	04/04/25 18:30
460-323536-10	14E_9-18	Solid	04/04/25 09:30	04/04/25 18:30
460-323536-11	14F_0-5	Solid	04/04/25 09:40	04/04/25 18:30
460-323536-12	14F_5-10	Solid	04/04/25 09:50	04/04/25 18:30

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins
Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193164-126387 1
Client Contact: Tom Giordano	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 323536
Address: 213 West 35th St	Due Date Requested:	Analysis Requested		Preservation Codes: N None, F MeOH
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 006-02 0208988-001-~~001-06~~			
Email: TGiordano@haleyaldrich.com	WO #: 4101 Arthur Kill Road, Staten Island, NY			
Project Name: 4101 Arthur Kill - Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D_TCL-Part-375-VOCs	TCL SVOCs	TAL Metals	PCBs	Pesticides	PFAS Method 1633	Total Number of	Special Instructions/Note:
			Preservation Code:		N	F								
14A_0-5	4/4/25	820	C	Solid				X	X	X	Y	X		1
14A_5-10		810		Solid										2
14B_0-5		820		Solid										3
14B_5-10		830		Solid										4
14C_0-6		840		Solid										5
14C_6-12		850		Solid										6
14D_0-9		900		Solid										7
14D_9-18		910		Solid										8
14E_0-9		920		Solid										9
14E_9-18		930		Solid										10
14F_0-5		940		Solid										11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:				
Relinquished by:	Date/Time: 4/4/25	Company HEA	Received by:	Date/Time: 4-4-25 15:00	Company ET
Relinquished by:	Date/Time: 4-4-25 18:30	Company ET	Received by:	Date/Time: 4/4 1830	Company ETA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No. no/cs PL #9 1.3/1.2 1.5/1.9

Cooler Temperature(s) °C and Other Remarks:

Ver: 05/06/2024

Eurofins Edison
777 New Durham Road
Edison NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s):	COC No: 460-193164-126387.2
Client Contact: Tom Giordano	Phone:	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Haley & Aldrich, Inc.	PWSID:			Job #: 220536
Address: 213 West 35th St	Due Date Requested:			
City: New York	TAT Requested (days): Standard			
State, Zip: NY 10001	Compliance Project: Δ Yes Δ No			
Phone: tgiordano@haleyaldrich.com	PO #: 0208988-001-006-02 ~~001-06~~			
Email: TGiordano@haleyaldrich.com	WO #: 4101 Arthur Kill Road Staten Island, NY			
Project Name: 4101 Arthur Kill Former Port Mobil	Project #: 46042832			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B; 7471B; 8011B; 8082A; 8270E	8260D TCLPart375VOCs	TCL SVOCs	TAL Metals	PCBs	Pesticides	PFAS Method 1633	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F							
14F_5-10	4/4/25	950	C	Solid					X	X	X	X	X		12
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											
				Solid											

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV Other (specify)

Special Instructions/QC Requirements:

Preservation Codes:
N None
F MeOH

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 4/4/25	Company HALP	Received by:	Date/Time: 4-4-25 15:00	Company EET		
Relinquished by:	Date/Time: 4-4-25 18:30	Company EET	Received by:	Date/Time: 4/4 1530	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:				

Ver 05/06/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 320536

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.3 °C	1.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	1.5 °C	1.9 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below.

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038 Rev 4.1
10/22/2019

Initials: MH Date: 4-4-25

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 1 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323536-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Preservation Codes.

Other: N/A

R89-73

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:				Analysis Requested		
14A_0-5 (460-323536-1)	4/4/25	08:00 Eastern	G	Solid			X	1	
14A_5-10 (460-323536-2)	4/4/25	08:10 Eastern	G	Solid			X	1	
14B_0-5 (460-323536-3)	4/4/25	08:20 Eastern	G	Solid			X	1	
14B_5-10 (460-323536-4)	4/4/25	08:30 Eastern	G	Solid			X	1	
14C_0-6 (460-323536-5)	4/4/25	08:40 Eastern	G	Solid			X	1	
14C_6-12 (460-323536-6)	4/4/25	08:50 Eastern	G	Solid			X	1	
14D_0-9 (460-323536-7)	4/4/25	09:00 Eastern	G	Solid			X	1	
14D_9-8 (460-323536-8)	4/4/25	09:10 Eastern	G	Solid			X	1	
14E_0-9 (460-323536-9)	4/4/25	09:20 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		4/7/25 1900			4/8/25 0950	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone: 732-549-3900 Fax: 732-549-3679

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Flannery Elizabeth J	Carrier Tracking No(s): N/A	COC No: 460-73827.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Elizabeth.Flannery@et.eurofinsus.com	State of Origin: New York	Page: Page 2 of 2
Company: Eurofins Environment Testing North Centr		Accreditations Required (See note): NELAP New York		Job #: 460-323536-1
Address: 180 S. Van Buren Avenue,	Due Date Requested: 4/11/2025			
City: Barberton	TAT Requested (days): N/A			
State, Zip: OH, 44203				
Phone: 330-497-9396(Tel) 330-497-0772(Fax)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Former Port Mobil	Project #: 46042832			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:

Other
N/A

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	1633/1633_Shake 1633 Standard List of 40	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
14E_9-18 (460-323536-10)	4/4/25	09:30 Eastern	G	Solid			X	1	
14F_0-5 (460-323536-11)	4/4/25	09:40 Eastern	G	Solid			X	1	
14F_5-10 (460-323536-12)	4/4/25	09:50 Eastern	G	Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northeast, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III IV Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4/7/25 1900	[illegible]	[signature]	4/8/25 0950	EC
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:

Eurofins – Cleveland Sample Receipt Form/Narrative Login # :
Barberton Facility

Client Eurofins Site Name

Cooler unpacked by:

Cooler Received on 4/8/25 Opened on 4/8/25

FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other

Receipt After-hours Drop-off Date/Time Storage Location

Eurofins Cooler # EC Foam Box Client Cooler Box Other

Packing material used. Bubble Wrap Foam Plastic Bag None Other

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form

IR GUN # (CF °C) Observed Cooler Temp °C Corrected Cooler Temp. °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3 Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5 Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7 *Did all bottles arrive in good condition (Unbroken)?*	Yes	No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?		
10 Were correct bottle(s) used for the test(s) indicated?	Yes	No
11 Sufficient quantity received to perform indicated analyses?	Yes	No
12 Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC448976
14 Were VOAs on the COC?	Yes	No
15 Were air bubbles >6 mm in any VOA vials? ● ← Larger than this	Yes	No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #	Yes	No
17 Was a LL Hg or Me Hg trip blank present?	Yes	No

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM Date by via Verbal Voice Mail Other

Concerning

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19 SAMPLE CONDITION

Sample(s) were received after the recommended holding time had expired.
Sample(s) were received in a broken container
Sample(s) were received with bubble >6 mm in diameter *(Notify PM)*

20. SAMPLE PRESERVATION

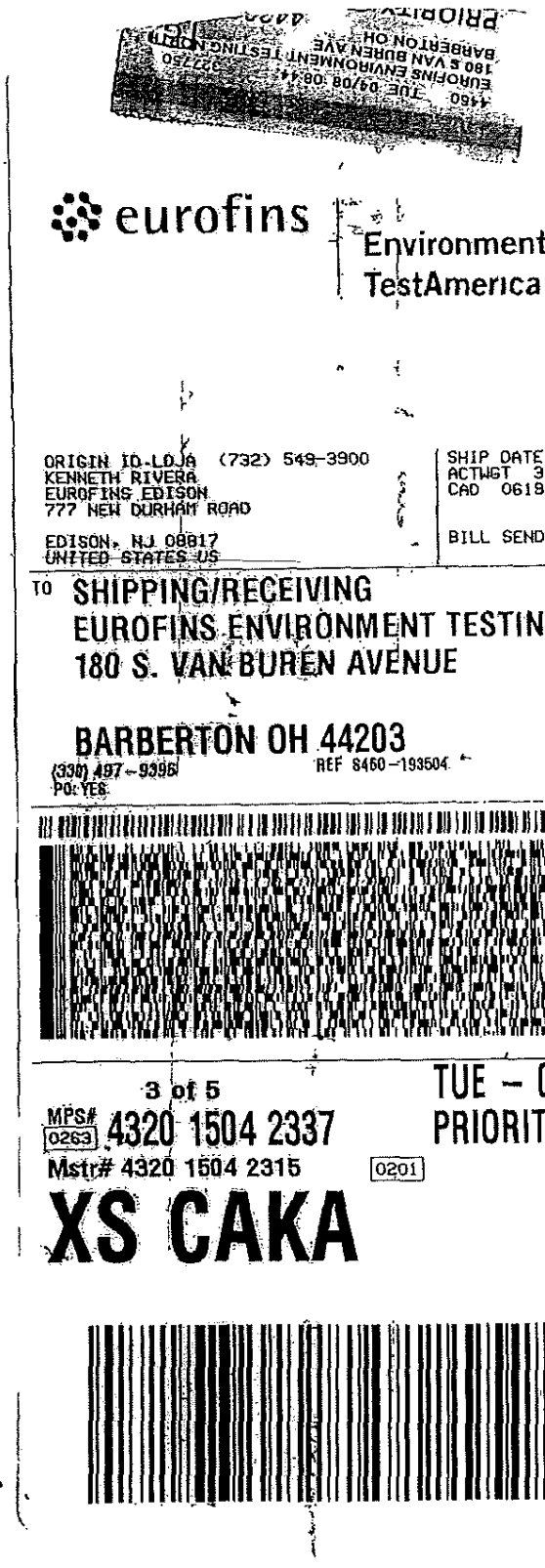
Sample(s) were further preserved in the laboratory
Time preserved. Preservative(s) added/Lot number(s)

VOA Sample Preservation - Date/Time VOAs Frozen.

Login # _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

Cooler Description (Circle)	IR Gun # (Circle)	Observed Temp °C	Corrected Temp °C	Coolant (Circle)
(EC) Client Box Other	IR GUN #: 18	1.3	1.2	(Wet Ice) Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	1.1	1.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	3.1	3.0	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.4	2.3	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	2.8	2.7	Wet Ice Blue Ice Dry Ice Water None
EC Client Box Other	IR GUN #: _____	



eurofins | Environment Testing
TestAmerica

ORIGIN ID:LDJA (732) 549-3900
KENNETH RIVERA
EUROFINS EDISON
777 NEW DURHAM ROAD

EDISON, NJ 08817
UNITED STATES US

SHIP DATE: 07APR25
ACTWGT: 39.85 LB
CAD: 0618092/CAFE3855

BILL SENDER

TO SHIPPING/RECEIVING
EUROFINS ENVIRONMENT TESTING NORTH
180 S. VAN BUREN AVENUE

BARBERTON OH 44203

(330) 497-9396
PO: YES

REF: 8460-193504

FedEx Express

3 of 5

MPS# 4320 1504 2337
Mstr# 4320 1504 2315

TUE - 08 APR 10:30A
PRIORITY OVERNIGHT

0263 0201

XS CAKA

44203
OH-US

Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

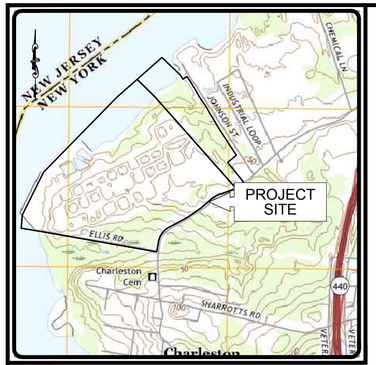
Job Number: 460-323536-1

Login Number: 323536
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

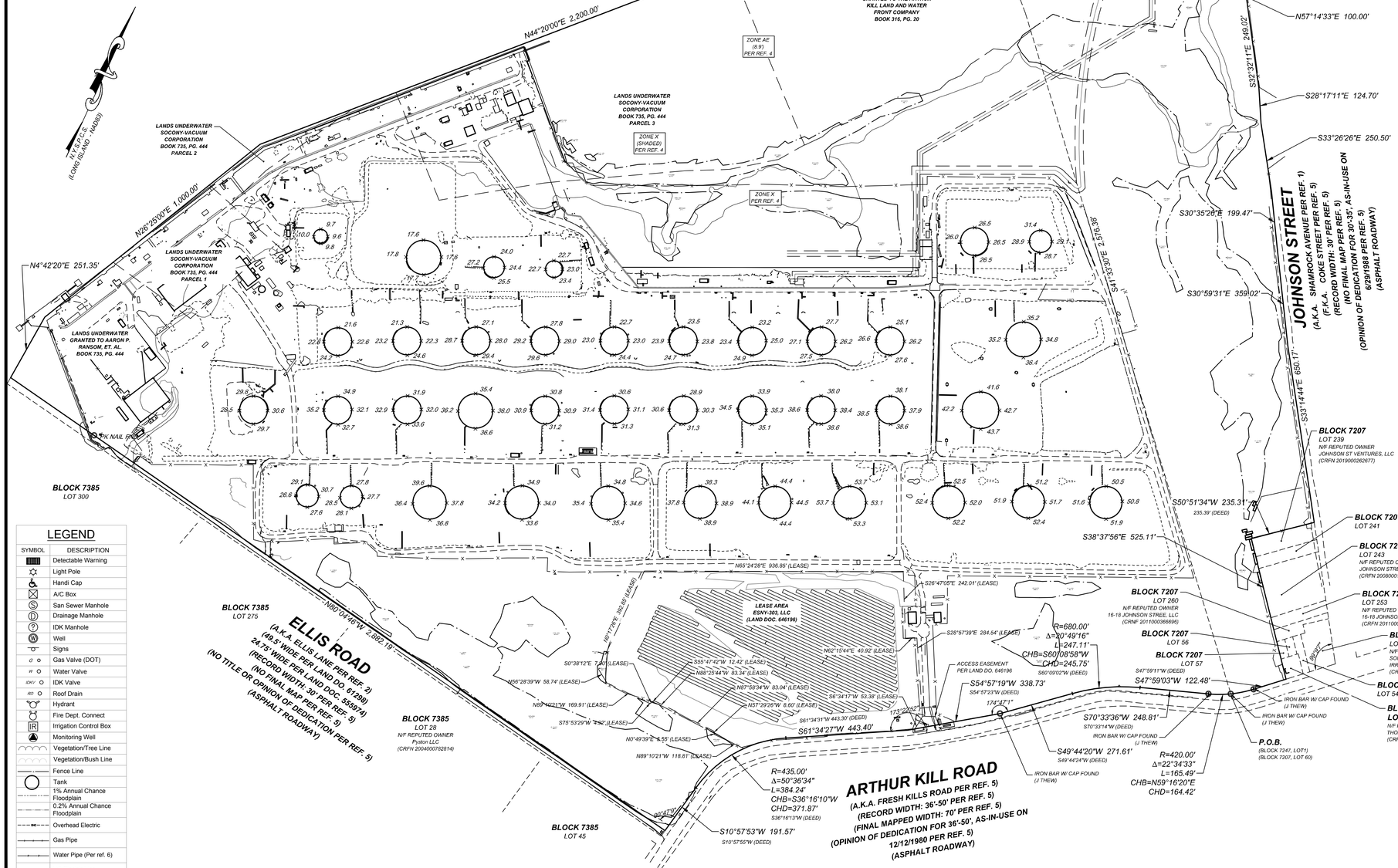
ATTACHMENT C
Final Survey, Kinder Morgan Terminal, Bowman Consulting, dated June 14, 2021



VICINITY MAP
SCALE: 1" = 1,500'

REFERENCES:

1. FINAL MAP NO. 3999 PROVIDED BY THE STATEN ISLAND OFFICE OF THE BOROUGH PRESIDENT.
2. WORKING SHEET NO. T1949–6 PROVIDED BY THE STATEN ISLAND OFFICE OF THE BOROUGH PRESIDENT.
3. STREET STATUS LETTER PROVIDED BY THE STATEN ISLAND OFFICE OF THE BOROUGH PRESIDENT ON SEPTEMBER 22, 2020.
4. MAP ENTITLED, "FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES, PANEL 311 OF 457, MAP NUMBER 3604970311F", MAP REVISED SEPTEMBER 5, 2007.
5. SEWER MAPPING PROVIDED BY THE NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWER OPERATIONS.
6. WATER MAPPING PROVIDED BY THE NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWER OPERATIONS.
7. MAP ENTITLED, "ALTA/NSPS LAND TITLE SURVEY, EXXONMOBIL CORPORATION, 4101 ARTHUR KILL ROAD, STATEN ISLAND, NEW YORK," PREPARED BY MKA ASSOCIATES, LAST REVISED JUNE 16, 2020.
8. ZONING RESOLUTION – APPENDIX A, FILE GENERATED BY https://zr.planning.nyc.gov on 5/17/2021, SPECIAL SOUTH RICHMOND DEVELOPMENT DISTRICT PLAN, LAST AMENDED 1/19/2016.
9. MAP ENTITLED, "WETLANDS LOCATION PLAN, STATEN ISLAND TERMINAL, 4101 ARTHUR KILL ROAD, BLOCK 7247 LOT 1 & BLOCK 7202 LOT 60," PREPARED BY MATRIX NEW WORLD ENGINEERING, LAND SURVEYING AND LANDSCAPE ARCHITECTURE, P.C., DATED JULY 7, 2020. WETLAND LOCATIONS FIELD VERIFIED BY BOWMAN CONSULTING GROUP, LTD. ON JUNE 4, 2021.
10. MAP ENTITLED, "TREE SURVEY, KINDER MORGAN TERMINAL, 4101 ARTHUR KILL ROAD, BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60," PREPARED BY BOWMAN CONSULTING GROUP, LTD., DATED MARCH 5, 2021 AND LAST REVISED APRIL 26, 2021.



LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
OE	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
(15.69)	EXISTING GRADE (NAVD88)

SCALE: 1"=200'
0 200 400 800 ft.

NOTES:

1. CERTIFICATION ON THIS BOUNDARY SURVEY MAP SIGNIFY THAT THE MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC. THE CERTIFICATION IS LIMITED TO PERSONS FOR WHOM THE BOUNDARY SURVEY MAP IS PREPARED LISTED ON THIS BOUNDARY SURVEY MAP. THE INFORMATION DEPICTED HEREON CORRECTLY REPRESENTS THE CONDITIONS AT, AND AS OF THE DATE OF THE FIELD SURVEY, EXCEPT SUCH IMPROVEMENTS OR EASEMENTS, IF ANY, BELOW THE SURFACE NOT VISIBLE. ACCORDINGLY, THE UNDERSIGNED PROFESSIONAL IS NOT RESPONSIBLE FOR THE PRESENCE OF UNDERGROUND UTILITIES OR STRUCTURES, IF THE SAME ARE NOT VISIBLE OR OTHERWISE DISCLOSED BY ANY AFOREMENTIONED DATA LISTED ABOVE.
2. THE CERTIFICATION HEREIN IS NOT TRANSFERABLE.
3. DATE OF LAST FIELD SURVEY, JUNE 6, 2021.
4. ONLY SURVEY'S BEARING THE MAKERS INKED OR EMBOSSED SEAL SHOULD BE RELIED UPON SINCE OTHER THAN BLUE INKED OR EMBOSSED SEALED COPIES MAY CONTAIN UNAUTHORIZED AND UNDETECTABLE MODIFICATION, DELETIONS, ADDITIONS AND CHANGES.
5. IT IS A VIOLATION OF THE STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED LAND SURVEYOR, TO ALTER AN ITEM IN ANYWAY.
6. PROPERTY BEING KNOWN AS LOT 1, BLOCK 7247 AND LOT 60, BLOCK 7207 AS SHOWN ON THE DIGITAL TAX MAP OF THE CITY OF NEW YORK.
7. AREA LOT 1, BLOCK 7247 = 8,741,794 S.F. OR 200.684 AC.
   AREA LOT 60, BLOCK 7207 = 1,761,592 S.F. OR 40.441 AC.
   TOTAL AREA = 10,503,386 S.F. OR 241.125 AC.
8. ALL RECORD GEOMETRY HAS BEEN MAINTAINED IN ACCORDANCE WITH REFERENCE DOC 555974, BUT ROTATED INTO AND BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD83 (LONG ISLAND), (NEAR SURFACE DERIVED COORDINATES UTILIZING KEYNET GPS).
9. EXISTING TOPOGRAPHIC INFORMATION SHOWN HEREON IS BASED UPON NAVD88 (NORTH AMERICAN VERTICAL DATUM OF 1988) PER LOCAL LAW 96 CONVERSION OF DATUM UTILIZING NGS BENCHMARK FOUND, #KV0306/BERQUIST RM 2, ELEVATION = 141.25' (NAVD88), [139.16' ± BOROUGH OF STATEN ISLAND DATUM].
10. THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON VISIBLE SURFACE STRUCTURES AND UTILITY MAPS PROVIDED BY THE UTILITY COMPANY REFERENCED HEREON. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITY/STRUCTURES. THE CONTRACTOR SHALL HAVE ALL UNDERGROUND UTILITIES FIELD VERIFIED BY THE PROPER UTILITY COMPANIES BEFORE ANY CONSTRUCTION BEGINS.
11. THE PROPERTY OFFSETS SHOWN ON THIS PLAN SHALL NOT BE USED AS THE BASIS FOR THE CONSTRUCTION OF FENCES OR ANY OTHER PERMANENT STRUCTURES.
12. UNDERGROUND UTILITY INFORMATION FROM CONED HAS NOT BEEN PROVIDED AT THE TIME OF THE SURVEY.
13. ENCROACHMENTS AND VAULTS, IF ANY, BELOW THE SURFACE NOT SHOWN HEREON.
14. THE SITE FEATURES AND TOPOGRAPHIC ELEVATION INFORMATION SHOWN HEREON IS BASED UPON DATA COLLECTED BY BOWMAN CONSULTING GROUP ON SEPTEMBER 17, 2020 THROUGH THE USE OF AN UNMANNED AERIAL SYSTEM CARRYING PHOTOGRAMMETRIC CAMERA AND A LIDAR SENSOR. THE DATA WAS VERIFIED BY GROUND DATA COLLECTION ON THE VARIOUS GROUND CLASSIFICATIONS AND FOUND TO HAVE A VERTICAL ACCURACY OF +/– 0.12–FOOT. HARD SURFACE ELEVATIONS WERE COLLECTED USING STANDARD GROUND–BASED SURVEY PROCEDURES.
15. WETLAND DELINEATION SHOWN AS PER WETLANDS LOCATION PLAN (REF. 9) AND FIELD VERIFIED BY BOWMAN CONSULTING GROUP, LTD. ON JUNE 6, 2021.
16. THE PROPERTY IS PREDOMINATELY LOCATED WITHIN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN), AND PARTIALLY IN ZONE X – SHADED (AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHNCE FLOOD), AND PARTIALLY IN ZONE AE (BASE FLOOD ELEVATION DETERMINED TO BE 8.9' NAVD88/10'NGVD29), PER REFERENCE MAP NO 4.
17. THIS SURVEY HAS BEEN PREPARED WITH REFERENCE TO A TITLE REPORT PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, TITLE NO. NCS–1008696–HOU1, WITH AN EFFECTIVE DATE OF MARCH 1,2020.
18. SUBJECT PROPERTY IS LOCATED IN THE SPECIAL SOUTH RICHMOND DEVELOPMENT DISTRICT PER REF. 8.
19. NO PORTION OF SUBJECT PROPERTY IS LOCATED WITHIN THE DISTRICT PLAN DESIGNATED OPEN SPACE PER REF. 8.
20. SUBJECT PROPERTY IS NOT LOCATED ON A SPECIAL SOUTH RICHMOND DEVELOPMENT DISTRICT ARTERIAL STREET PER REF. 8.
21. SUBJECT PROPERTY IS NOT IMMEDIATELY ADJACENT TO OR DIRECTLY OPPOSITE THE STATEN ISLAND RAPID TRANSIT RIGHT–OF–WAY.

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CWD

PROJ.: 030448-01-001
DATE: 6/14/2021
DRAWN: M.A.C.
CHKD: C.W.D.

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MARIO L. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050999-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

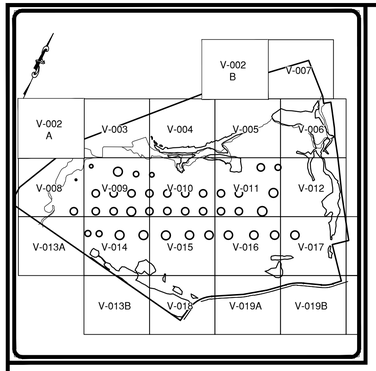
DOB APPROVAL STAMP

DOB SCAN

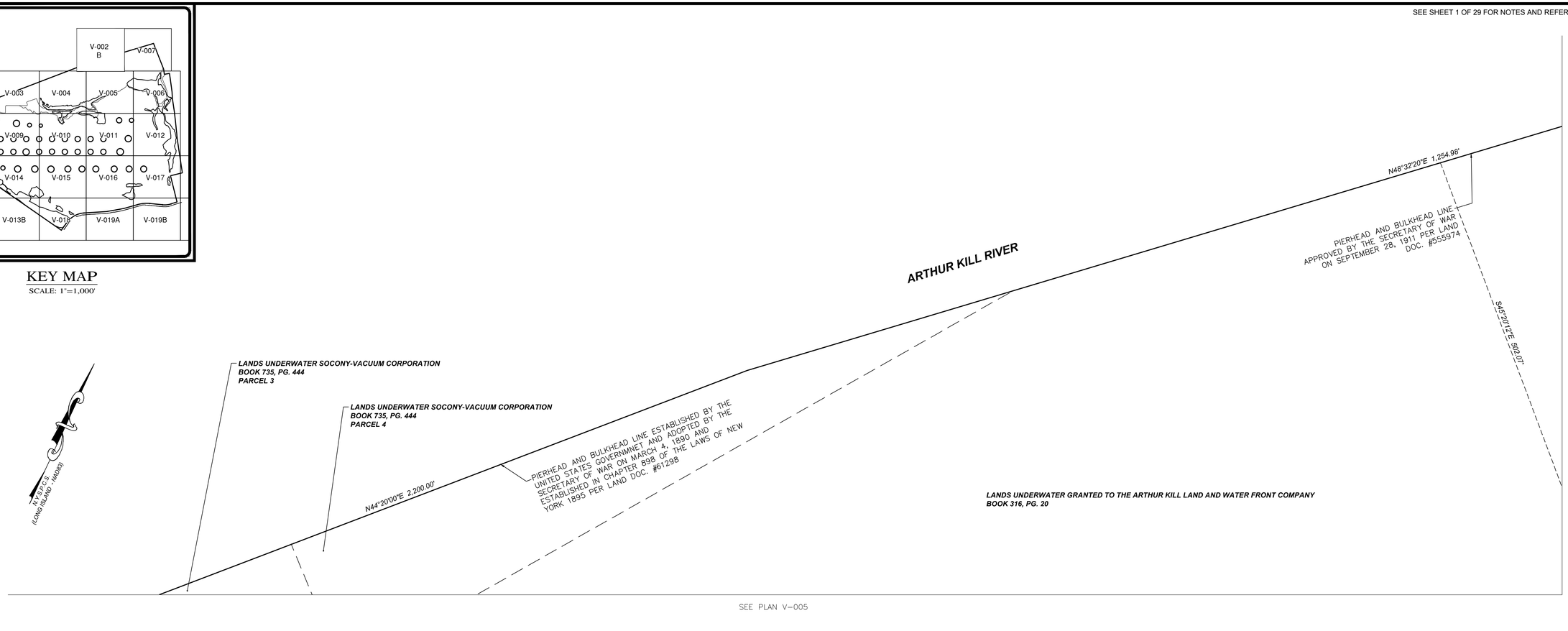
DWG NO.
V-001

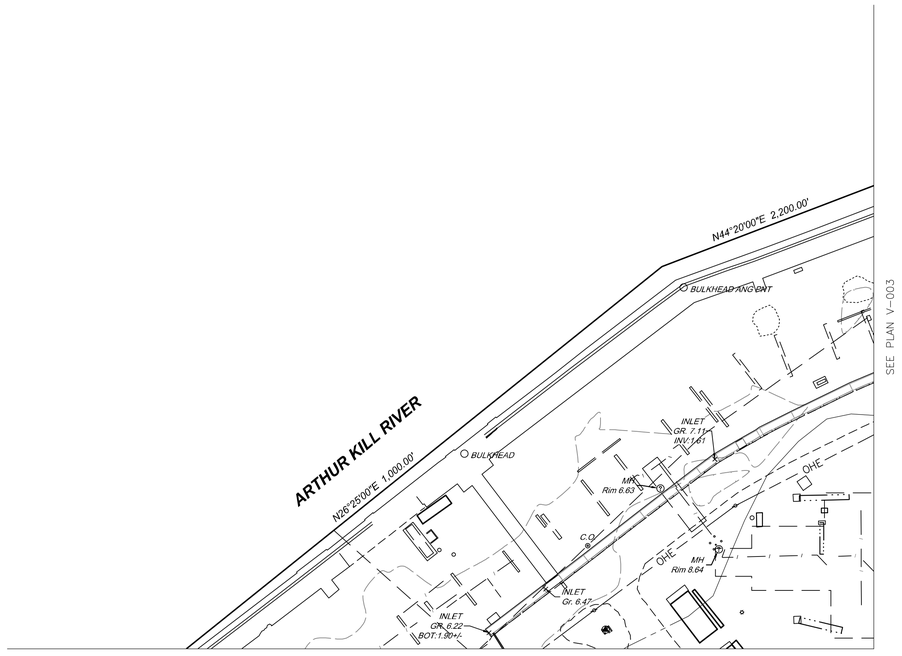
SHEET NO.
1 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'





LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
{15.69}	EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 0394581-01
DATE: 10/30/2020
DWG: M-1.0

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DATE

MARC V. COLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

DOB APPROVAL STAMP

DOB SCAN

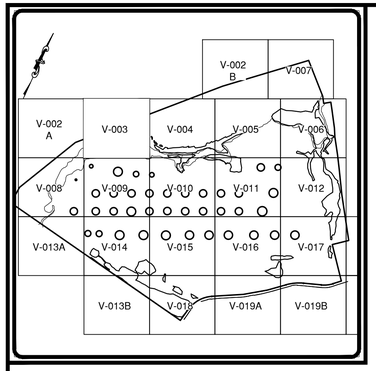
FINAL SURVEY
KINDER MORGAN TERMINAL

4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-002

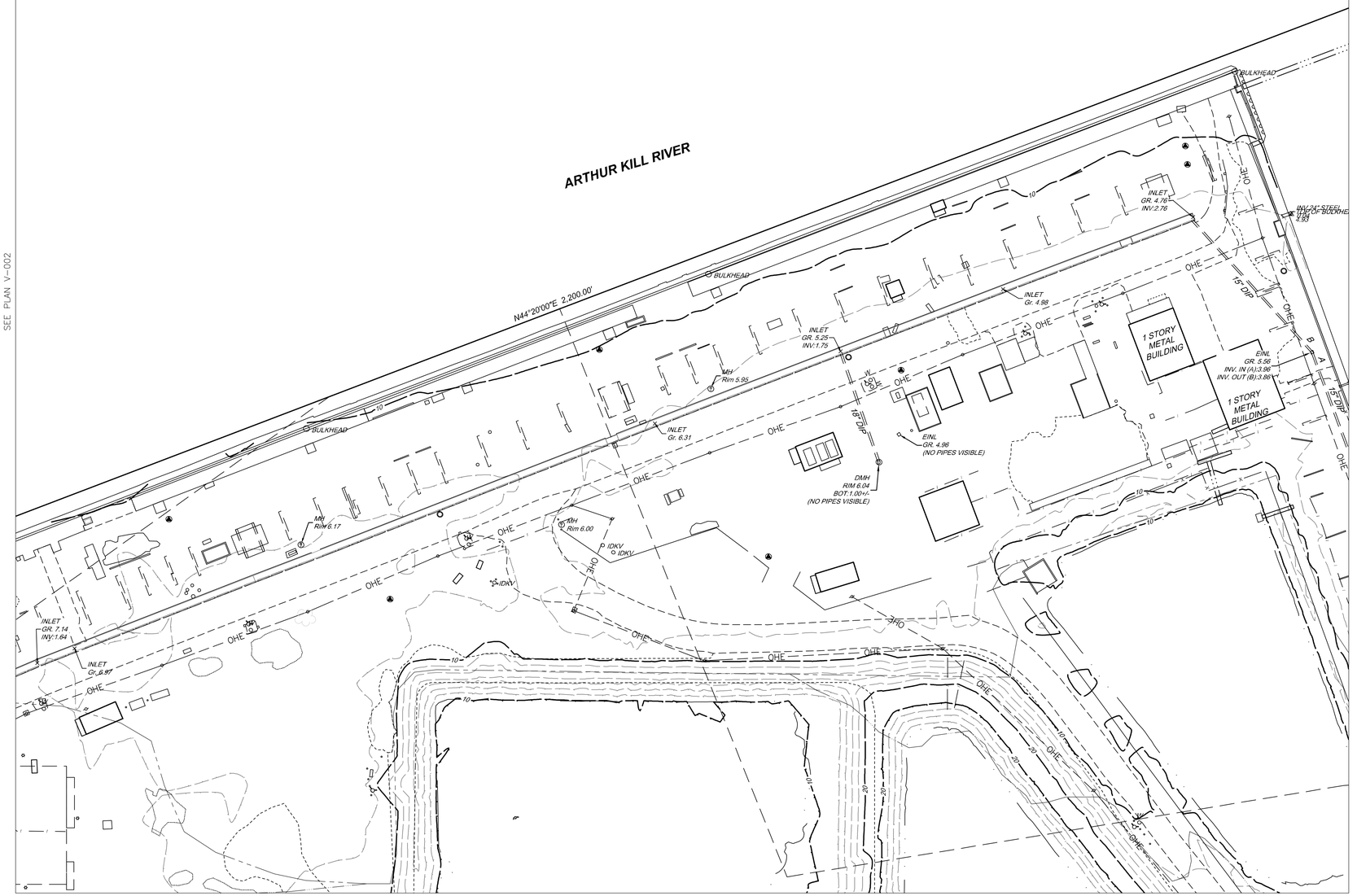
SHEET NO.
2 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-002



SEE PLAN V-004

SEE PLAN V-009

SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
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DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	DHKD

PROJ: 039458-H-001
DATE: 10/30/2020
DWG: V-003
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DATE

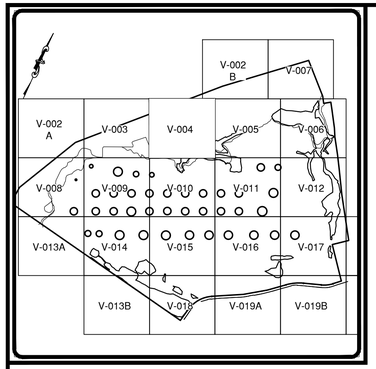
MARC V. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-003

SHEET NO.
3 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

ARTHUR KILL RIVER

N44°20'00"E 2,200.00'

PIERHEAD AND BULKHEAD LINE ESTABLISHED BY THE UNITED STATES GOVERNMNET AND ADOPTED BY THE SECRETARY OF WAR ON MARCH 4, 1890 AND THE ESTABLISHED IN CHAPTER 898 OF THE LAWS OF NEW YORK 1895 PER LAND DOC. #61298

LANDS UNDERWATER SOCONY-VACUUM CORPORATION
BOOK 735, PG. 444
PARCEL 4

LANDS UNDERWATER GRANTED TO THE ARTHUR KILL LAND AND WATER FRONT COMPANY
BOOK 316, PG. 20

LANDS UNDERWATER SOCONY-VACUUM CORPORATION
BOOK 735, PG. 444
PARCEL 3

SEE PLAN V-003

SEE PLAN V-005

SEE PLAN V-010

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
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	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
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	Gas Pipe
	Water Pipe (Per ref. 6)
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SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD
2			
3			
4			
5			
6			

PROJ: 030458-01-001
DATE: 10/30/2020
DWG: M-C
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MARCO COLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050989-1
DATE

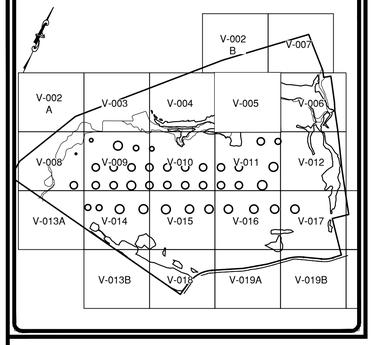
FINAL SURVEY
KINDER MORGAN TERMINAL

4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-004

SHEET NO.
4 OF 29

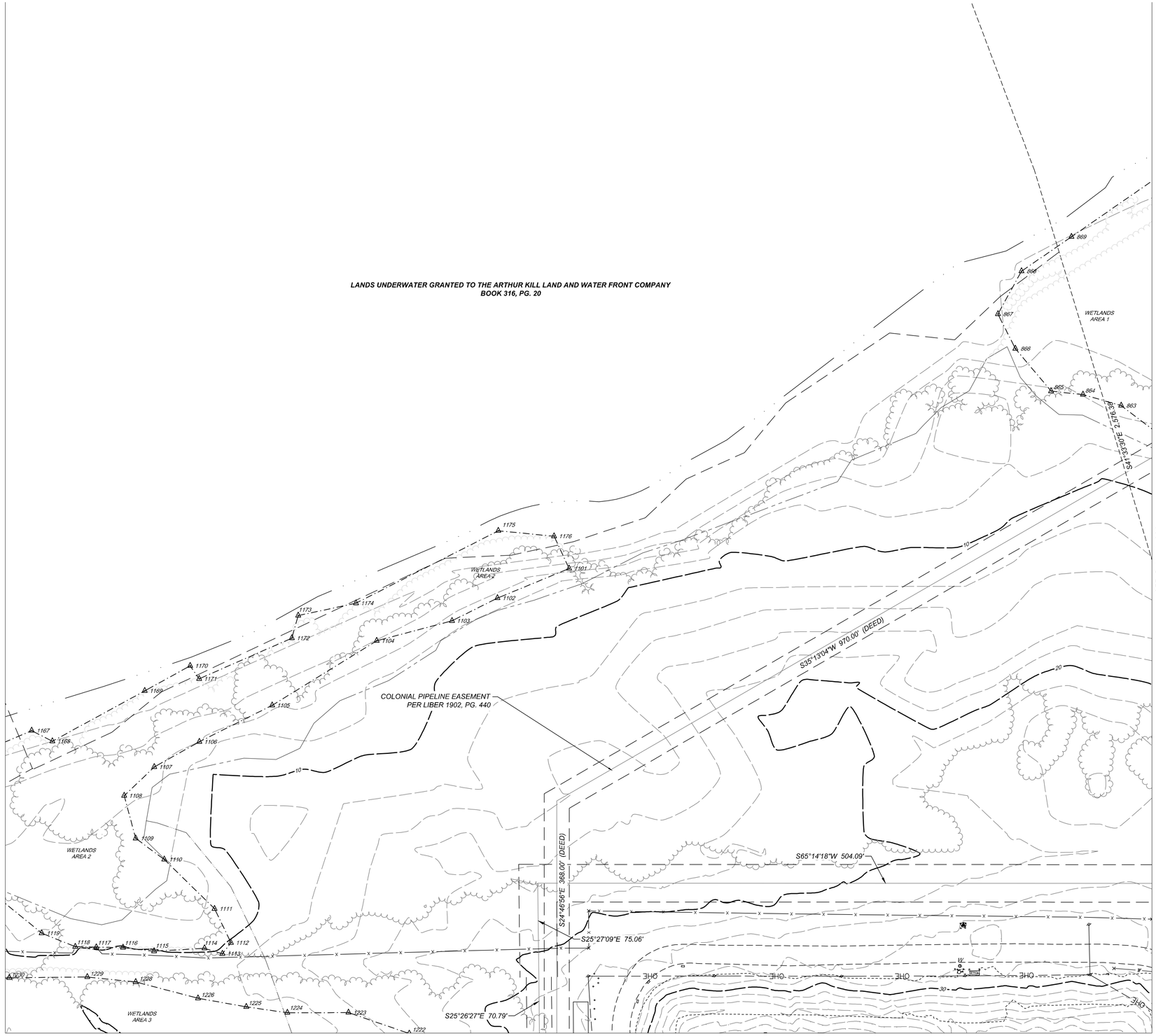
SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-004

LANDS UNDERWATER GRANTED TO THE ARTHUR KILL LAND AND WATER FRONT COMPANY BOOK 316, PG. 20



SEE PLAN V-006

SEE PLAN V-011

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK?	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
{15.69}	EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 030458-01-001
DATE: 10/30/2020
DWG: M-1.0

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DATE

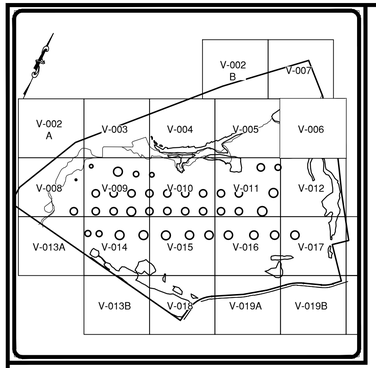
MARC A. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-005

SHEET NO.
5 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-007

SEE PLAN V-005

COLONIAL PIPELINE EASEMENT PER LIBER 1902, PG. 440

BLOCK 7207
LOT 150
N/F REPUTED OWNER
COPART OF CONNECTICUT, INC
(CRFN 20160000148094)

N32°45'27"W 100.00'

S57°14'33"W 100.00'

JOHNSON STREET
(a.k.a. Shamrock Avenue per ref. 1)
(a.k.a. Cake Street per ref. 5)
(Record and Filed Map per ref. 5)
(Width varies from 30' to 40' per ref. 5, 6/29/1988 per ref. 5)
(opinion of dedication for 30'-35' as per ref. 5)
(Asphalt Roadway)

N32°32'11"W 249.02'

N28°17'11"W 124.70'

N33°26'26"W 250.50'

N30°35'26"W 199.47'

WETLANDS AREA 1

L=1,048.15'
R=1,915.73'
Δ=31°20'53"

S41°53'30"E 2,576.38'

N86°02'38"W 19.88'

N70°33'50"W 53.11'

FES=24.13

S19°21'15"W 6.78'

S49°40'35"W 8.73'

N85°11'48"W 12.24'

PIPLINE MARKER

EINL Qr. 28.07'

EINL Qr. 25.76'

15" DIP

SEE PLAN V-012

SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
A/C	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
{15.69}	EXISTING GRADE (NAVD88)

NO.	REVISION	DATE	DWG
6			
5			
4			
3			
2			
1	REVISION	DATE	DWG

NO.	REVISION	DATE	DWG
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	DWG

PROJ: 0394S8-H1-001
DATE: 10/30/2020
DWG: C-1.0

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MARC A. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL

410 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

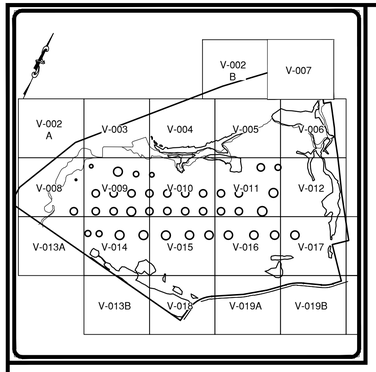
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-006

SHEET NO.
6 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-002B

ARTHUR KILL RIVER

PIERHEAD AND BULKHEAD LINE APPROVED BY THE SECRETARY OF WAR ON SEPTEMBER 28, 1911 PER LAND DOC. #555974

JOHNSON STREET
(A.K.A. SHAMROCK AVENUE PER REF. 1)
(A.K.A. COKE STREET PER REF. 5)
(RECORD WIDTH VARIES PER REF. 5)
(NOT SHOWN ON MAP PER REF. 3)
(NOT OPEN FOR 30'-35', AS-IN-USE ON 6/29/1988 PER REF. 5)
(OPINION OF DEDICATION PER REF. 4)
(ASPHALT ROADWAY)

BLOCK 7207
LOT 140
N/F REPUTED OWNER
COPART OF CONNECTICUT, INC
(CRF 2016000148094)

S1°27'53"W 253.21'

N48°17'53"W 538.08'

COLONIAL PIPELINE EASEMENT PER LIBER 1902, PG. 440

S45°20'12"E 602.07'

S24°39'56"E 680.00' (DEED)

N32°45'27"W 100.00'

BLOCK 7207
LOT 150
N/F REPUTED OWNER
COPART OF CONNECTICUT, INC
(CRFN 2016000148094)

SEE PLAN V-006

SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

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{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
{15.69}	EXISTING GRADE (NAVD88)

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 039458-01-001
DATE: 10/30/2020
DWG: 1 of 1

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NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

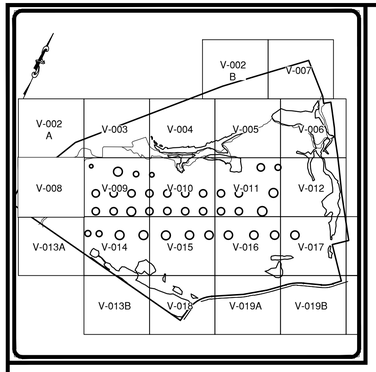
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-007

SHEET NO.
7 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLANV-002A

SEE PLAN V-009

SEE PLAN V-013

N26°25'00"E 1,000.00'

N14°42'20"E 251.35'

BLOCK 7385
LOT 300

17'S.C.C.S. (LONG ISLAND - NAD83)

BULKHEAD
ELEC. MH Rim 8.02
GRT=5.44
10" DIP
RIM 4.86 INV=2.16
INLET GR. 5.99 INV:1.69
INLET GR. 5.82 INV:3.92
INLET GR. 5.96 INV:1.66
24" DIP
INLET GR. 5.78 INV:5.18
INLET GR. 5.96 INV:2.56
INLET GR. 6.02 INV:2.22
15" DIP
INLET Gr. 5.80
INLET Gr. 5.95
INLET Gr. 6.03
20' 5.64 TRAV PT 20 PKS
12" DIP
INLET GR. 4.92 INV:3.02
INLET GR. 4.67 BOT:1.40+/- (NO PIPES VISIBLE)
INLET GR. 4.00 INV. IN (A):2.50 INV. OUT (B):2.40
MH Rim 4.41 (SEALED)
INLET GR. 5.72 BOT:3.40+/- (NO PIPES VISIBLE)
INLET GR. 5.38 BOT:1.20+/- (NO PIPES VISIBLE)
INLET GR. 5.02 BOT:1.70 +/- (NO PIPES VISIBLE)
6" DIP
TRENCH DRAIN GR. 5.31 INV:3.61
TRENCH DRAIN Gr. 5.33
TRENCH DRAIN GR. 3.72 INV: IN (A):2.52 INV. OUT (B):2.42
TRENCH DRAIN Gr. 3.85
INLET GR. 7.05 INV. IN (A):5.93 INV. OUT (B):5.82
1 STORY METAL BUILDING
1 STORY BRICK BUILDING
OHE
IDKV
INLET GR. 6.61 BOT.2.20+/-
INLET Gr. 6.80 (FILLED W / WATER)
MH RIM 9.64 BOT:2.60+/- (NO PIPES VISIBLE)
INLET GR. 5.71 INV:1.41
INLET GR. 5.62 INV:1.52
C.O.
18" DIP
MH RIM 8.16 INV. IN (A):4.86 INV. OUT (B):4.56
15" DIP
MH RIM 7.86 BOT:4.80+/- (NO PIPES VISIBLE)
INLET GR. 9.11 INV:7.21
MH Rim 9.19
INLET Gr. 9.80
Rim 16.41
6" DIP
RIM 23.32 INV. IN (A):15.87 INV. OUT (B):15.72
MH Rim 13.30
Rim 15.19
Rim 2.06
29.8
28.5
30.6
29.7

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
IDK	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
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SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 030445-H-001
DATE: 10/30/2020
DWG: 1 OF 1

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MARCO J. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050989-1
DATE

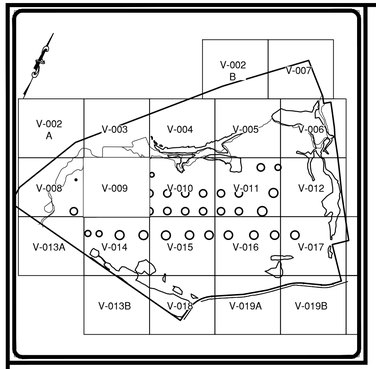
FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-008

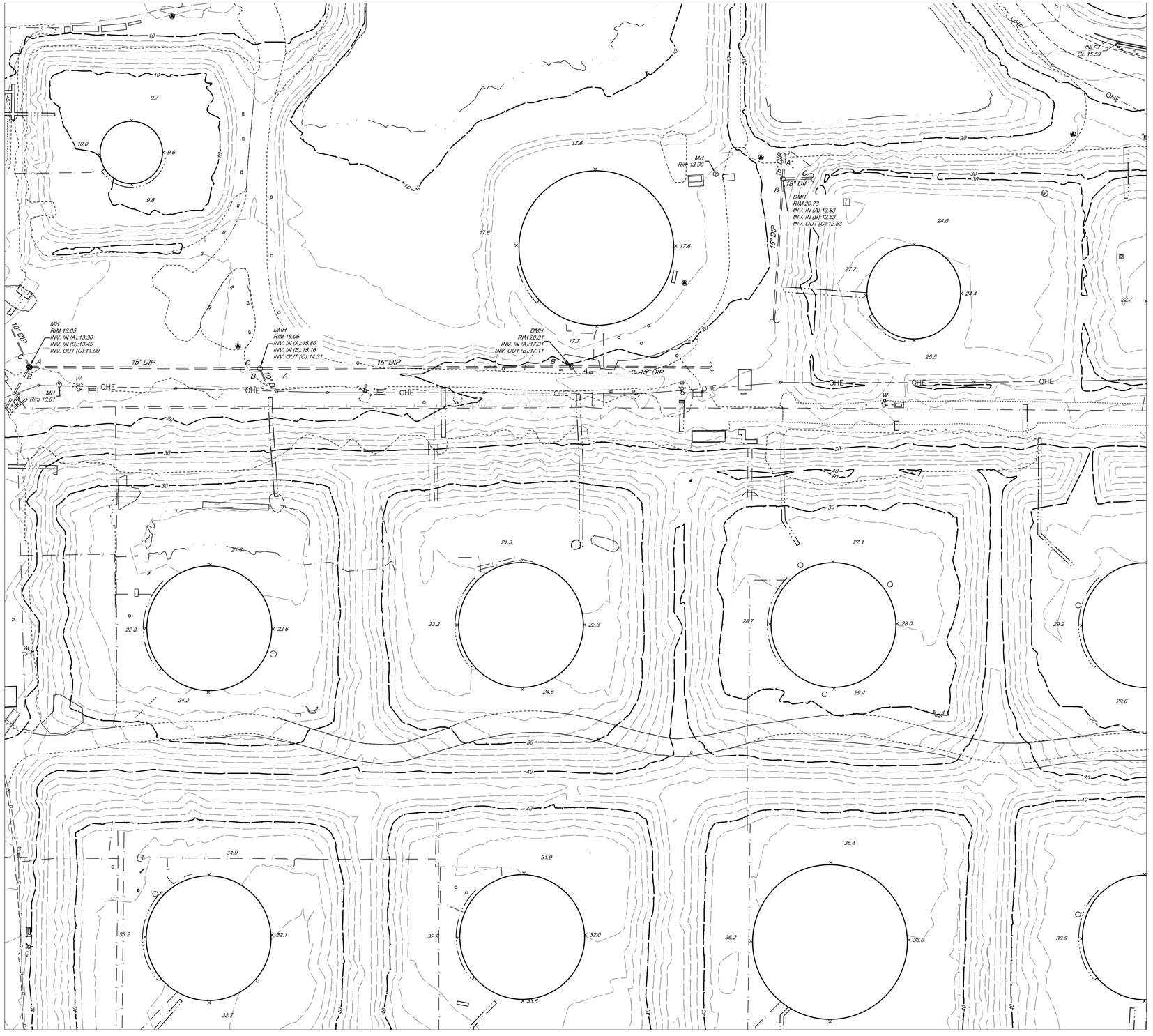
SHEET NO.
8 OF 29

SEE SHEET 1 OF 19 FOR NOTES AND REFERENCES.

SEE PLAN V-003



KEY MAP
SCALE: 1"=1,000'



LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
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	1% Annual Chance Floodplain
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	Gas Pipe
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{15.59} LEGAL GRADE (NAVD88)
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SCALE: 1"=40'
0 40 80 160 ft.

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 039458-01-001
DATE: 10/30/2020
DWG: V-009
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MARIO COLMENA
LICENSED PROFESSIONAL LAND SURVEYOR LIC. 050999-1
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050999-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

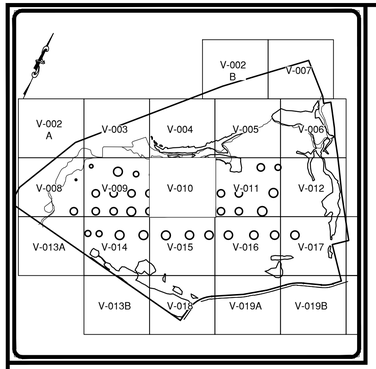
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-009

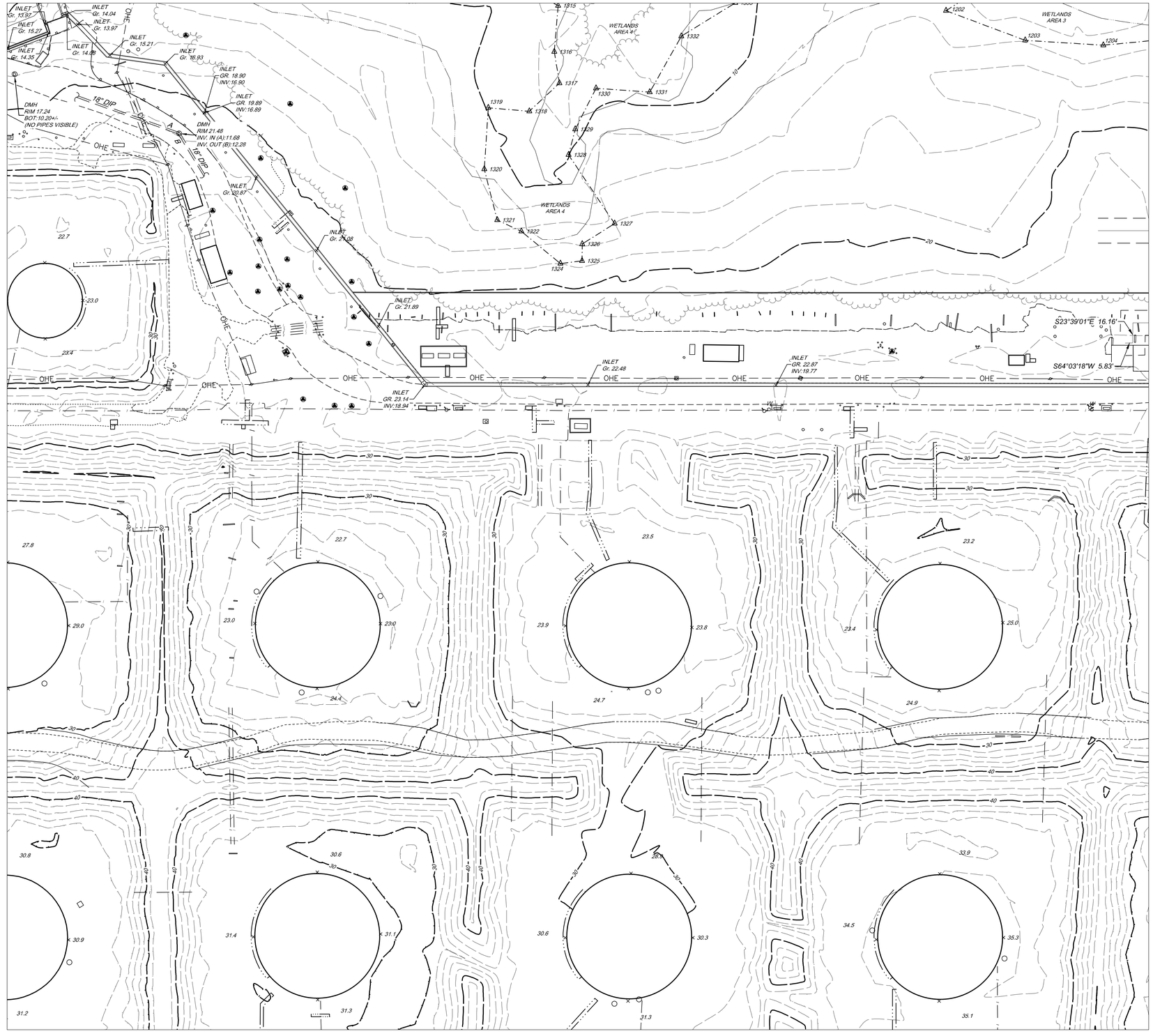
SHEET NO.
9 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-004



SEE PLAN V-009

SEE PLAN V-011

SEE PLAN V-015

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
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SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 030458-01-001
DATE: 10/30/2020
DWG: V-010.dwg

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MARC V. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050999-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-010

SHEET NO.
10 OF 29

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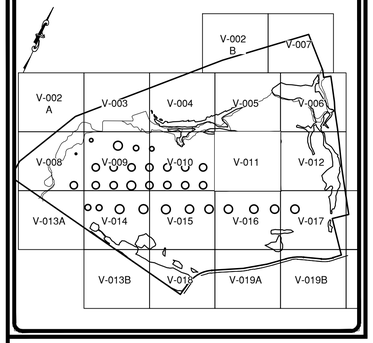
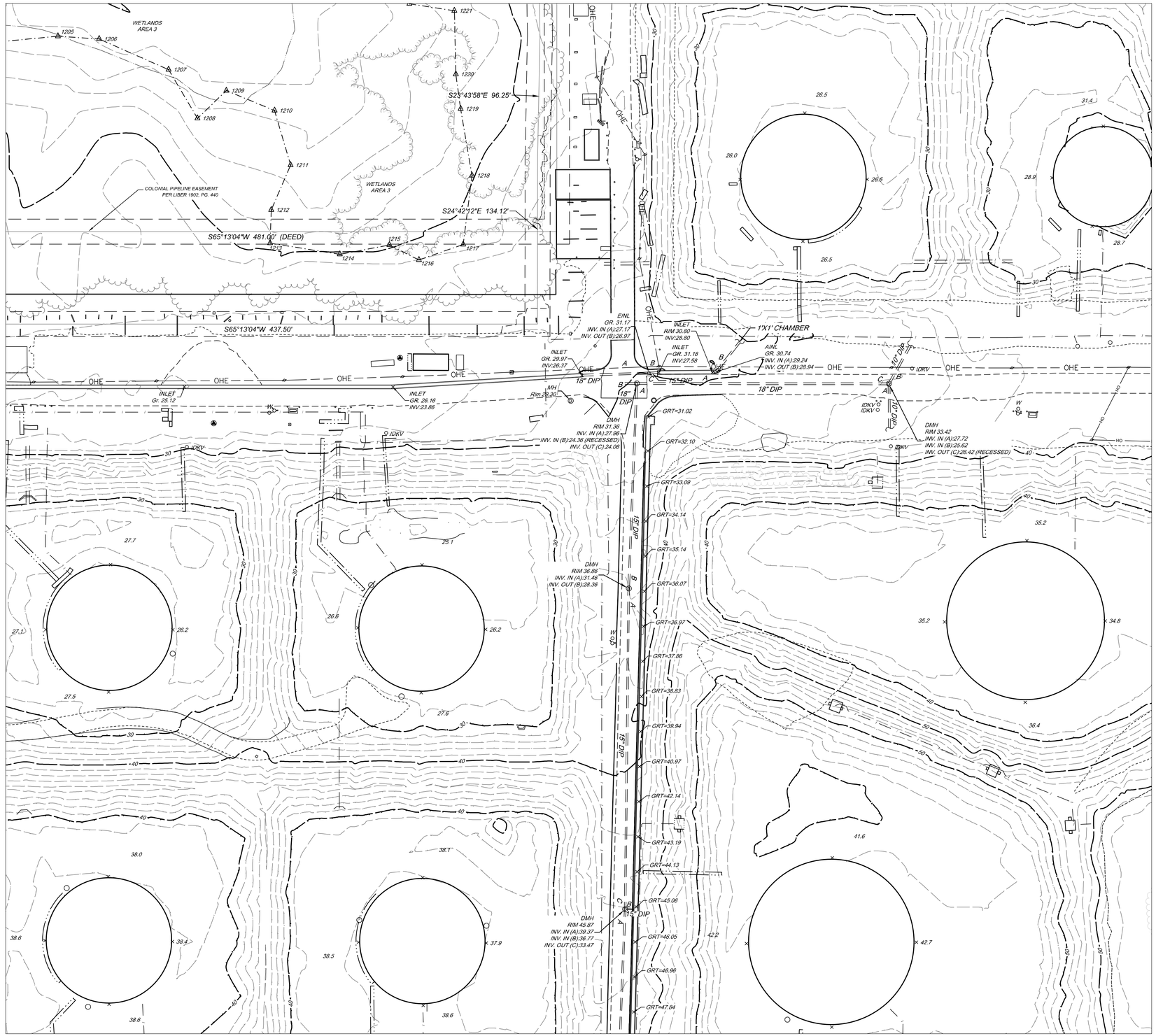


KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-005



SEE PLAN V-010

SEE PLAN V-012

SEE PLAN V-016

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
T	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
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	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

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(15.59)	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
(15.69)	EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

	DATE	CHKD
6		
5		
4		
3		
2		
1	REVISION	

	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS. REVIEW COMMENTS	6/14/21	

PROJ: 0304584-H-001
DATE: 10/30/2020
SCALE: 1"=40'
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FAX: 973-359-8455

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DATE

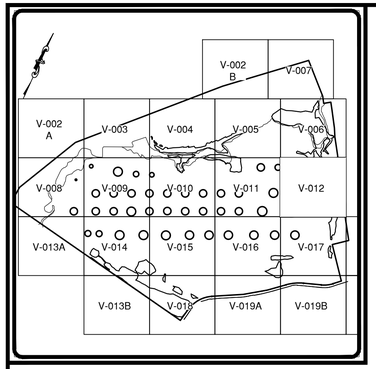
MARC V. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050999-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-011

SHEET NO.
11 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.

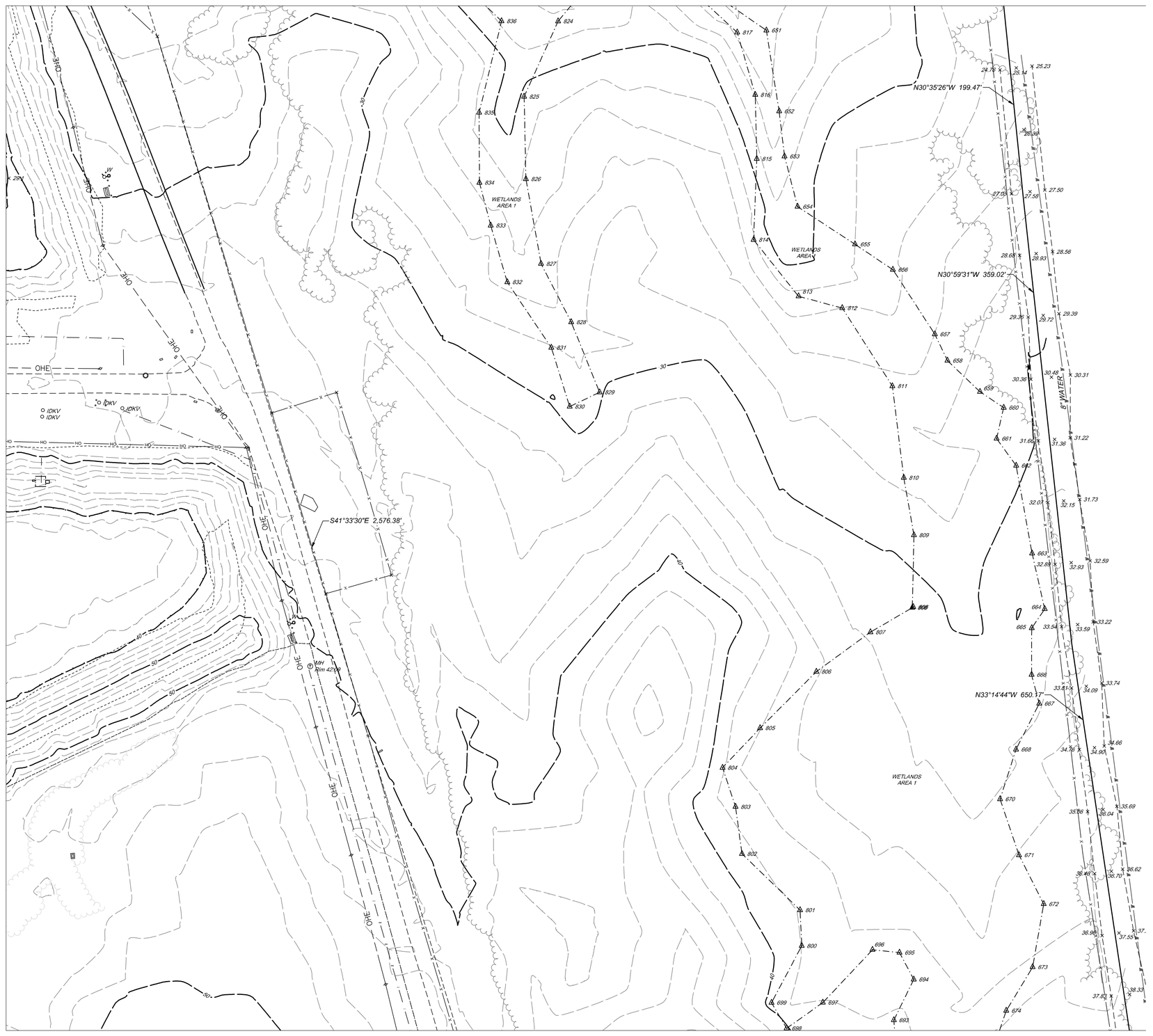


KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-006

SEE PLAN V-011

SEE PLAN V-017



LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5] LEGAL GRADE (STATEN ISLAND)
[15.59] LEGAL GRADE (NAVD88)
(13.6) EXISTING GRADE (STATEN ISLAND)
(15.69) EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
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PROJ: 0304484-H-001
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NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050989-1

FINAL SURVEY
KINDER MORGAN TERMINAL
410 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7297 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-012

SHEET NO.
12 OF 29

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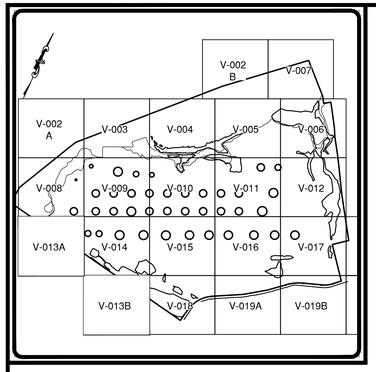
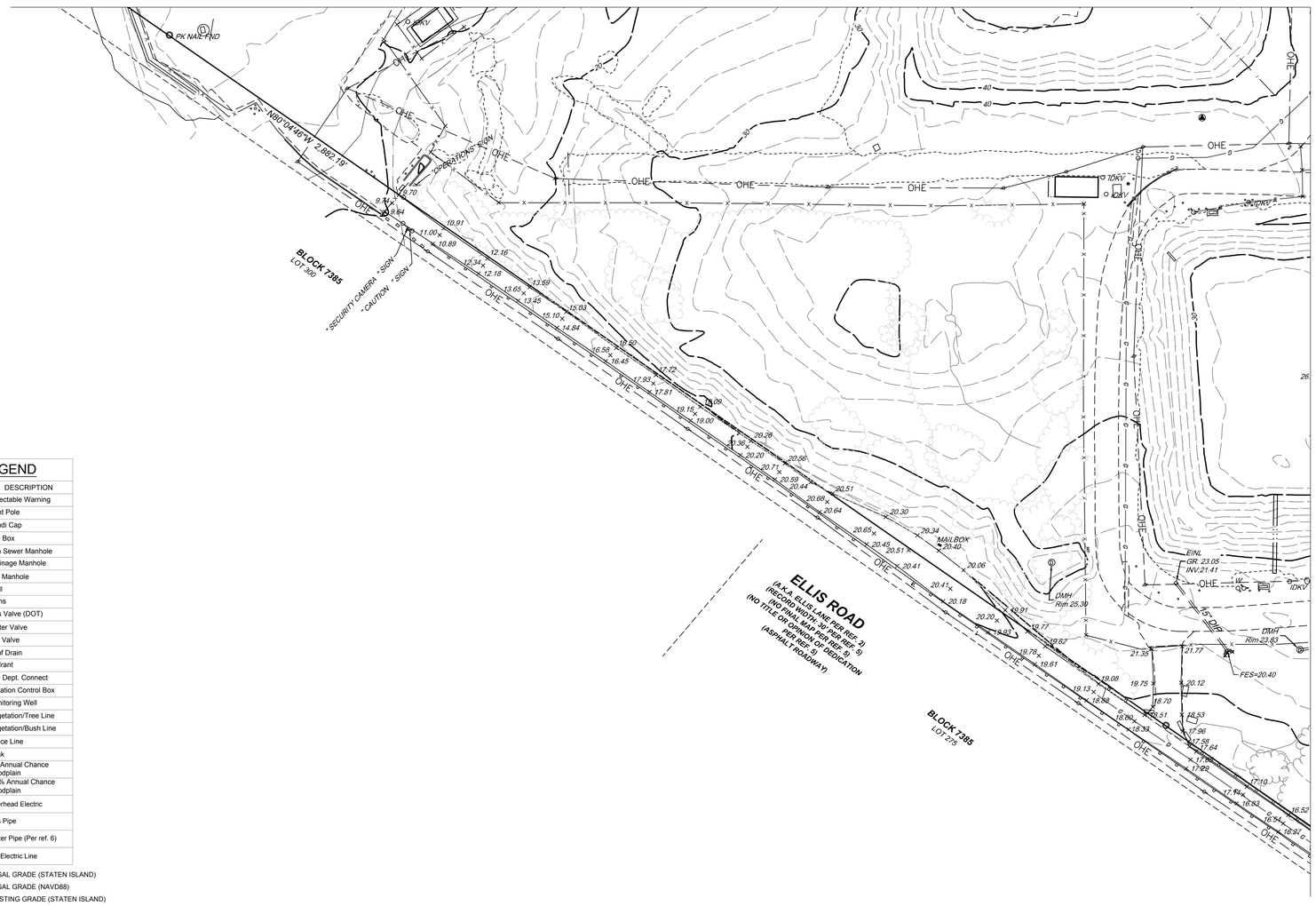


KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-014

SEE PLAN V-008



LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

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{15.59} LEGAL GRADE (NAVD88)
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{15.69} EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 039458-H1-001
DATE: 10/30/2020
DWG: V-013

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MARC L. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050989-1
DATE

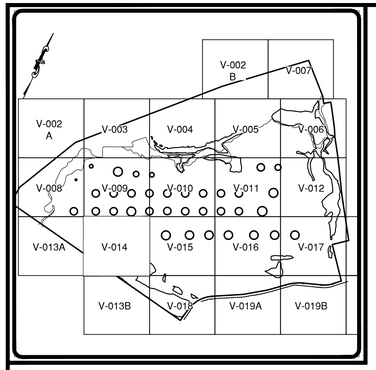
FINAL SURVEY
KINDER MORGAN TERMINAL

410 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-013

SHEET NO.
13 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-008

SEE PLAN V-013A

SEE PLAN V-015

SEE PLAN V-013B

N80°04'46"W 2,882.19'

ELLIS ROAD
(A.K.A ELLIS LANE PER REF. 2)
(RECORD WIDTH= 50' PER REF. 6)
(NO TITLE OR OWNER OF DEDICATION PER REF. 9)
(ASPHALT ROADWAY)

BLOCK 7385
LOT 215

BLOCK 7385
LOT 28
NFE REPUTED OWNER:
Power, LLC
(OPEN Zoning/2019)

WETLANDS AREA 5

OHE

15" DIP

18" DIP

INLET
GR. 28.58
INV.25.79

DMH
RIM 28.90
INV. IN (A):24.00
INV. IN (B):23.36
INV. OUT (C):21.90

MH
Rim 29.70

MH
Rim 29.74

DMH
RIM 32.56
INV. IN (A):25.91
INV. IN (B):27.66
INV. OUT (C):25.86

DMH
RIM 34.96
INV. IN (A):29.56
INV. OUT (B):29.76

SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5] LEGAL GRADE (STATEN ISLAND)
{15.59} LEGAL GRADE (NAVD88)
(13.6) EXISTING GRADE (STATEN ISLAND)
{15.69} EXISTING GRADE (NAVD88)

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	DMD

PROJ: 03948-H1-001
DATE: 10/30/2020
DWG: V-014
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NO.	REVISION	DATE	CHKD
1			

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MARCO OLMEDA
LICENSED LAND SURVEYOR
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050999-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

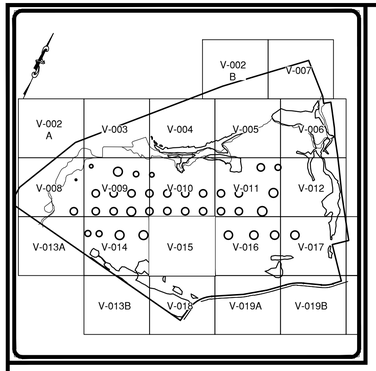
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-014

SHEET NO.
14 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-010

SEE PLAN V-014

SEE PLAN V-016

SEE PLAN V-018

OHE
EINL
GR. 37.93
BOT.35.60+/-
DMH
RIM 39.70
INV. IN (A)27.05
INV. OUT (B)27.00
18" DIP
INLET
GR. 34.93"
INV.31.94
15" DIP
DMH
RIM 34.39
INV. IN (A)29.74
INV. OUT (B)29.69
TOP OF PIPE
35.02
12"
DIP
TOP OF PIPE
34.77
TOP OF PIPE
35.29
TERMINUS
UNKNOWN
FES=35.71
FES=31.41
FES=33.01
FES=33.22
SRT=36.64
IDRV
N65°24'26"E 936.85' (LEASE)
MAY TYPE A 394.85' (LEASE)
WETLANDS
AREA 5
WETLANDS
AREA 6
SOLAR FARM
LEASE AREA
ESNY-303, LLC
(LAND DOC. 646196)
SOLAR FARM
LEASE AREA
ESNY-303, LLC
(LAND DOC. 646196)
SCALE: 1"=40'
0
40
80
160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
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	Water Pipe (Per ref. 6)
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NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 030458-H-001
DATE: 10/30/2020
DRAWN BY: A.C.
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MARC L. COLMEDA
LICENSED PROFESSIONAL LAND SURVEYOR
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050909-1

DOB APPROVAL STAMP

DOB SCAN

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-015

SHEET NO.
15 OF 29

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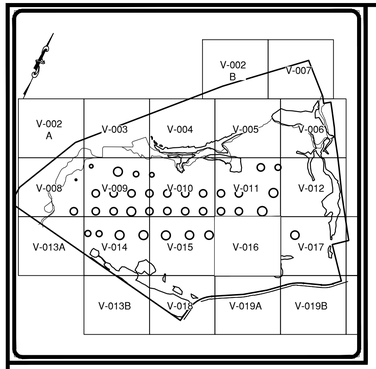
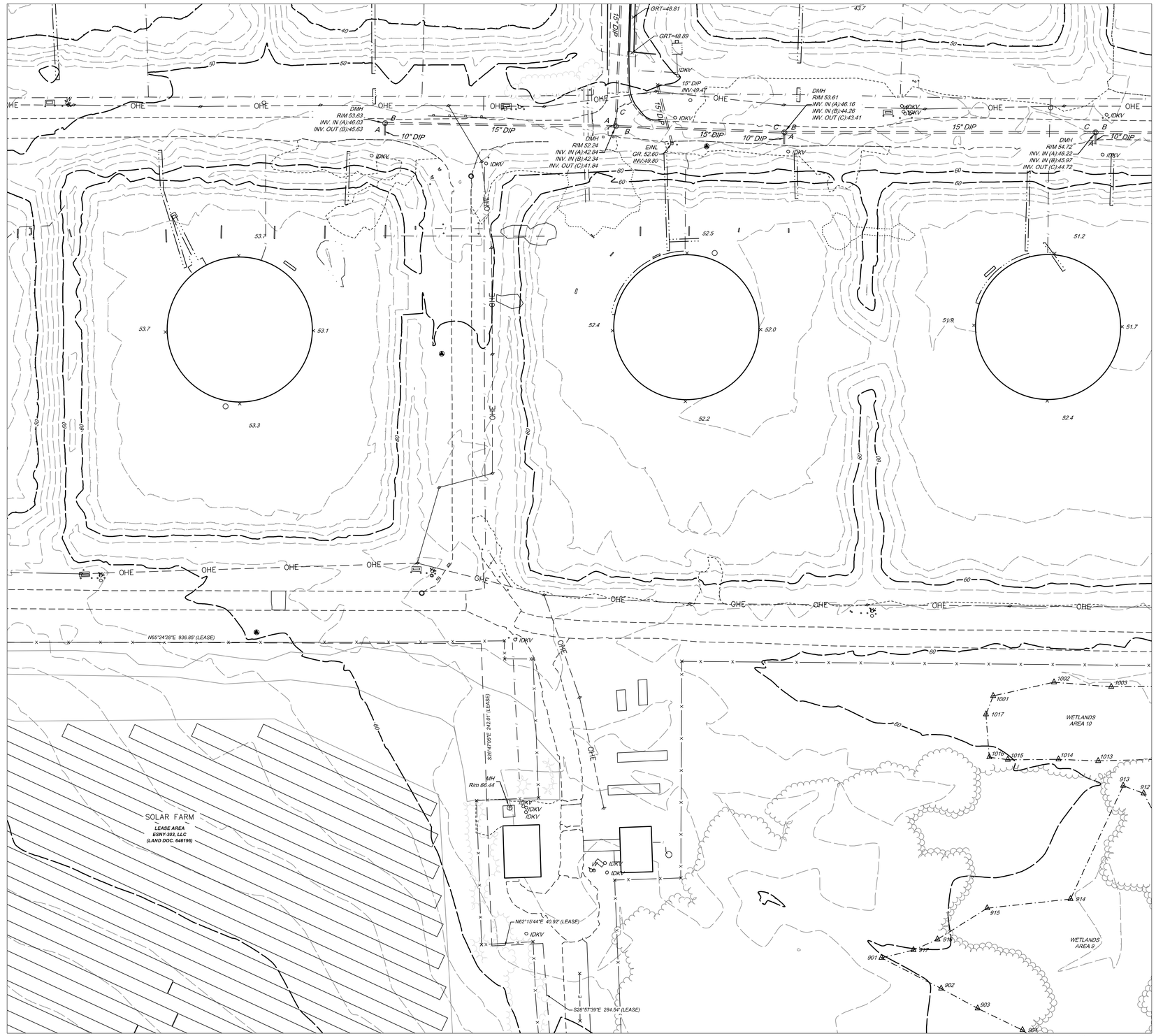


KEY MAP
SCALE: 1"=1,000'



SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
I	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDKV	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
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	0.2% Annual Chance Floodplain
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	Water Pipe (Per ref. 6)
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NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	DHD

PROJ: 039458-H-001
DATE: 10/30/2020
DWG: V-016
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MARC V. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050668-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-016

SHEET NO.
16 OF 29

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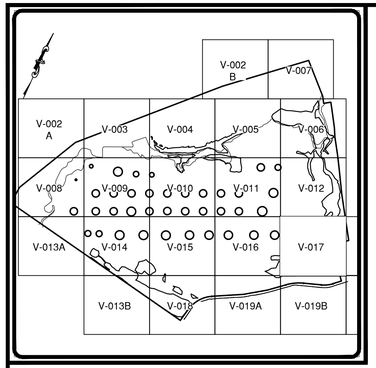

KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-012

SEE PLAN V-016

SEE PLAN V-019B

JOHNSON STREET
(A.K.A. SHAMROCK AVENUE PER REF. 1)
(A.K.A. SHAMROCK STREET PER REF. 5)
(F.K.A. GONG 85TH; 30' PER REF. 5)
(RECORD FINAL MAP PER REF. 5)
(DEDICATED AS JOHNSON ST. AS-IS-USE ON 6/29/1988 PER ORDER OF THE BOARD OF ESTIMATE, REF. 5)
(OPINION OF DEDICATION FOR 50' PER REF. 5)
(ASPHALT ROADWAY)

N33°14'44"W 650.17'

S41°33'30"E 2,576.38'

N50°51'34"E 235.31' 235.39' (DEED)

N28°37'56"W 525.11'

S60°09'02"W (DEED)

235.39' (DEED)

WETLANDS AREA 1

WETLANDS AREA 10

8" WATER

DMH
RIM 54.02
INV. IN (A) 46.47
INV. OUT (B) 45.57

BLOCK 7207
LOT 239
N/F REPUTED OWNER
JOHNSON ST VENTURES, LLC
(CRFN 20190002626?7)

BLOCK 7207
LOT 241

BLOCK 7207
LOT 243
N/F REPUTED OWNER
JOHNSON STREET ENTERPRISES, LLC
(CRFN 20080001302?7)

BLOCK 7207
LOT 254
N/F REPUTED OWNER
SOPHIA ZARZANO
IRREVOCABLE TRUST
(CRFN 20160001?0520)

BLOCK 7207
LOT 253
N/F REPUTED OWNER
16-18 JOHNSON STREE, LLC
(CRFN 20110003666?6)

BLOCK 7207
LOT 260
N/F REPUTED OWNER
16-18 JOHNSON STREE, LLC
(CRNF 20110003666?6)

BLOCK 7207
LOT 56

BLOCK 7207
LOT 57

BLOCK 7207
LOT 54

FEN / CONTAINER CDR

FEN / CONTAINER CDR

BOAT
BUS
BUS
BUS
CONTAINER
TRUCK
BOAT

SCALE: 1"=40'
0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
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NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD
2			
3			
4			
5			
6			

PROJ: 030458-01-001
DATE: 10/30/2020
SCALE: 1"=40'
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MARIO J. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

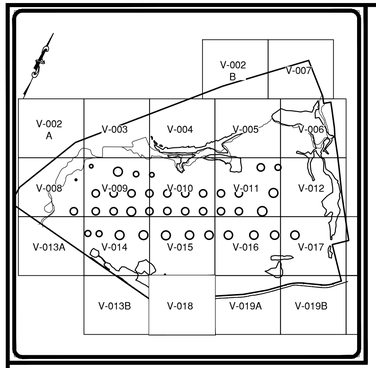
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-017

SHEET NO.
17 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

SEE PLAN V-015

SEE PLAN V-013B

SEE PLAN V-019A

SOLAR POWER PLANT
SOLAR FARM
LEASE AREA
ESNY-303, LLC
(LAND DOC. 646196)

ELLIS ROAD
(A.K.A. ELLIS LANE PER REF. 2)
(RECORD WIDTH: 50' PER REF. 5)
(NO FINAL MAP OR OPINION OF DEDICATION
NO TITLE OR OPINION OF DEDICATION
PER REF. 9)
(ASPHALT ROADWAY)

ARTHUR KILL ROAD
(A.K.A. FREES KILLS ROAD PER REF. 9)
(RECORD WIDTH: 66' PER REF. 5)
(FINAL MAPPED WIDTH: 70' PER REF. 9)
(OPINION OF DEDICATION FOR 165' PER REF. 9)
PER REF. 9, ASR-USE ON 12/17/1960
(ASPHALT ROADWAY)

BLOCK 7385
LOT 45

WETLANDS AREA 5
WETLANDS AREA 6
WETLANDS AREA 7
WETLANDS AREA 8
WETLANDS AREA 3

N0°17'26"E 392.85' (LEASE)
N56°28'39"W 58.74' (LEASE)
N89°10'21"W 169.91' (LEASE)
S55°47'42"W 12.42' (LEASE)
N89°25'44"W 83.34' (LEASE)
N54°00'16"W 3.84' (LEASE)
S75°53'29"W 4.92' (LEASE)
S0°38'12"E 7.90' (LEASE)
N89°03'21"W 62.76' (LEASE)
S70°40'07"W 6.40' (LEASE)
N87°58'34"W 93.04' (LEASE)
N57°29'26"W 8.60' (LEASE)
N0°49'39"E 5.55' (LEASE)
N89°10'21"W 76.81' (LEASE)
N80°04'46"W 2,882.19'
S10°57'53"W 191.57'
S10°57'55"W (DEED)
S61°34'27"W 443.40'
S61°34'31"W 443.30' (DEED)
R=435.00'
Δ=50°36'34"
L=384.24'
CH=S36°16'10"W
CL=371.87'
S38°08'13"W (DEED)

AINL GR. 15.36 BOT:12.80+/- (NO PIPES VISIBLE)
AINL GR. 15.37 BOT:13.40+/- (NO PIPES VISIBLE)
AINL GR. 15.63 BOT:13.30+/- (NO PIPES VISIBLE)
AINL GR. 19.52 TOP OF BELL (A):17.47 INV. OUT (B):16.52
AINL GR. 20.15 INV:17.20
AINL GR. 15.65 BOT:14.10+/- (NO PIPES VISIBLE)
DMH RIM 15.89 BOT:11.10+/- (NO PIPES VISIBLE)
HW INV:11.72+/-
HW INV:11.84+/-
MH RIM 15.49 BOT:9.50+/- (NO PIPES VISIBLE)
WATER MH Rim 15.75
WATER MH Rim 16.03
WATER MH Rim 29.57
MH RIM 29.06 INV. IN (A):26.58 INV. OUT (B):26.56
16"X12" ERCP
12" WATER
20" WATER
10" DIP
4" GAS
OHE
* STOP * SIGN

[18.7] {20.79} (19.7) {21.79}
[13.5] {15.59} (13.6) {15.69}
[14.5] {16.59} (15.0) {17.09}
[15.9] {17.99} (16.7) {18.79}

LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK?	IDK Valve
RD	Roof Drain
	Hydrant
FDC	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5] LEGAL GRADE (STATEN ISLAND)
{15.59} LEGAL GRADE (NAVD88)
(13.6) EXISTING GRADE (STATEN ISLAND)
{15.69} EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	REVISION	DATE	CHKD

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD

PROJ: 0394454-01-001
DATE: 10/30/2020
SCALE: 1"=40'
DWG: V-018.dwg

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DATE

MARIO V. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

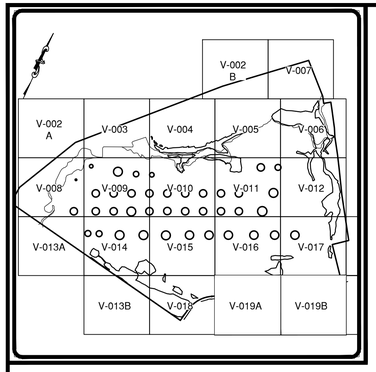
DOB APPROVAL STAMP

DOB SCAN

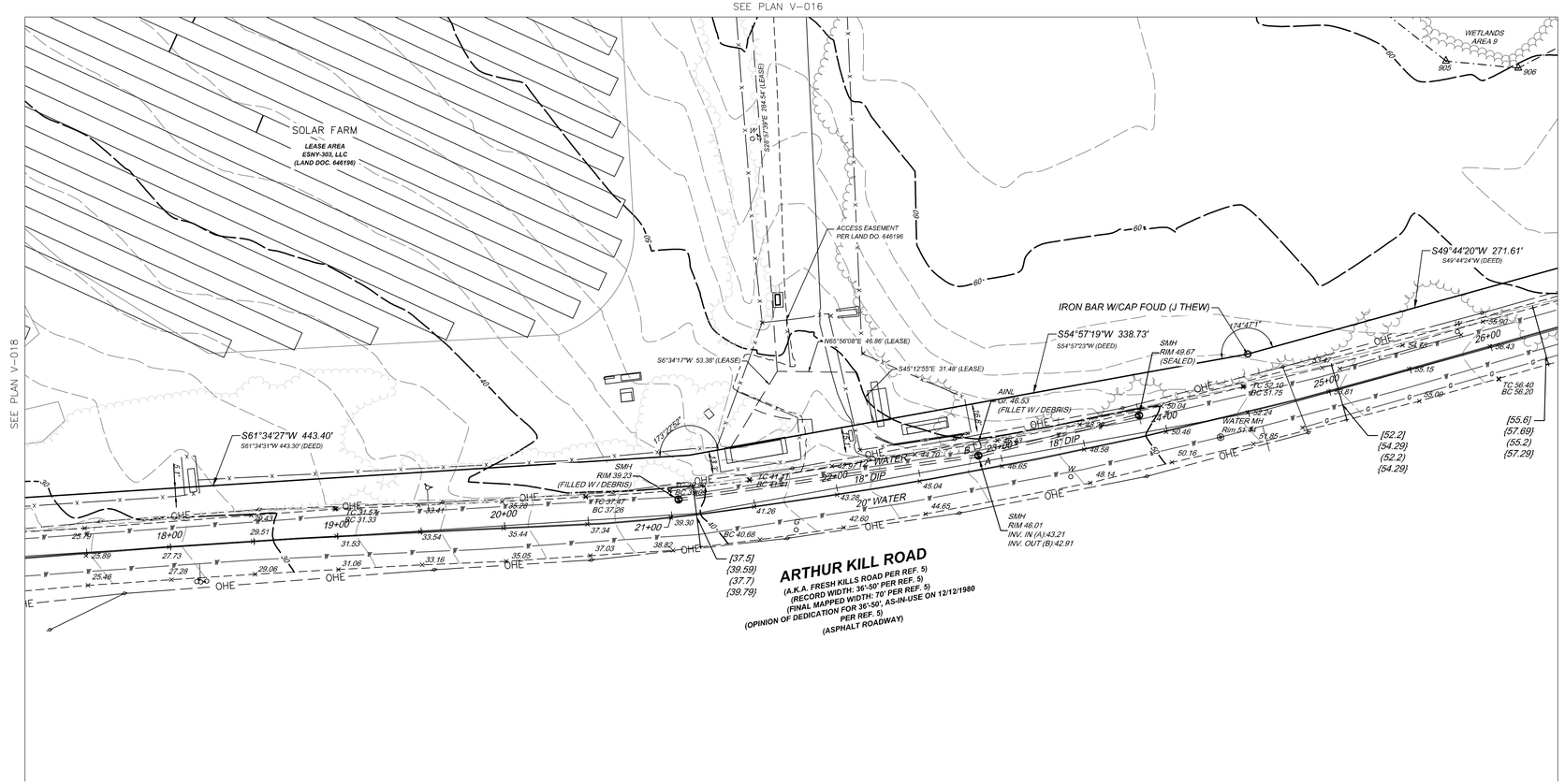
DWG NO.
V-018

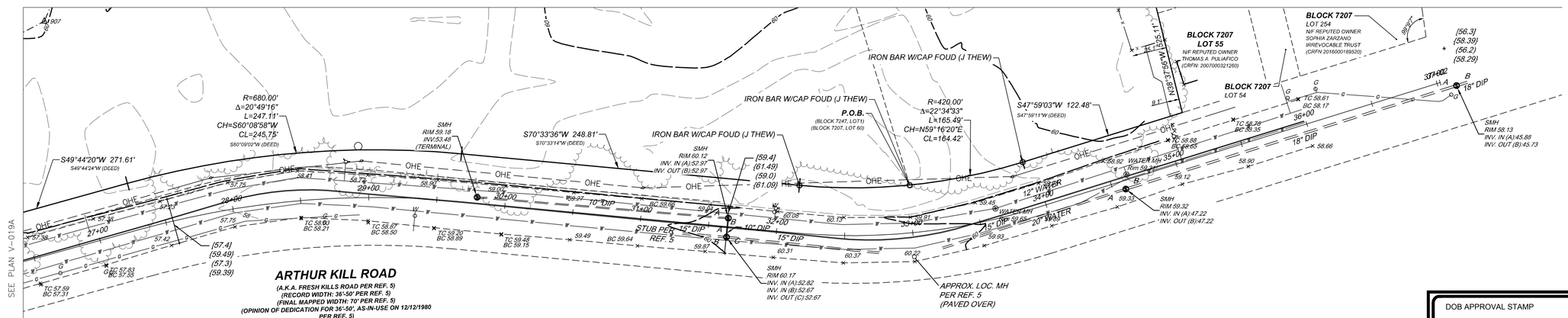
SHEET NO.
18 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'





LEGEND

SYMBOL	DESCRIPTION
	Detectable Warning
	Light Pole
	Handi Cap
	A/C Box
S	San Sewer Manhole
D	Drainage Manhole
?	IDK Manhole
W	Well
	Signs
G	Gas Valve (DOT)
W	Water Valve
IDK	IDK Valve
RD	Roof Drain
	Hydrant
	Fire Dept. Connect
IR	Irrigation Control Box
	Monitoring Well
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	1% Annual Chance Floodplain
	0.2% Annual Chance Floodplain
	Overhead Electric
	Gas Pipe
	Water Pipe (Per ref. 6)
	UG Electric Line

[13.5]	LEGAL GRADE (STATEN ISLAND)
{15.59}	LEGAL GRADE (NAVD88)
(13.6)	EXISTING GRADE (STATEN ISLAND)
{15.69}	EXISTING GRADE (NAVD88)

SCALE: 1"=40'
0 40 80 160 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	DRD
1	ADD WETLAND FLAGS. REVIEW COMMENTS	6/14/21	DRD

PROJ: 030458-01-001
DATE: 10/30/2020
SCALE: 1"=40'
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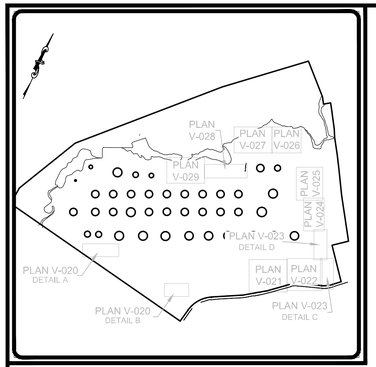
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1
DATE

FINAL SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-019

SHEET NO.
19 OF 29

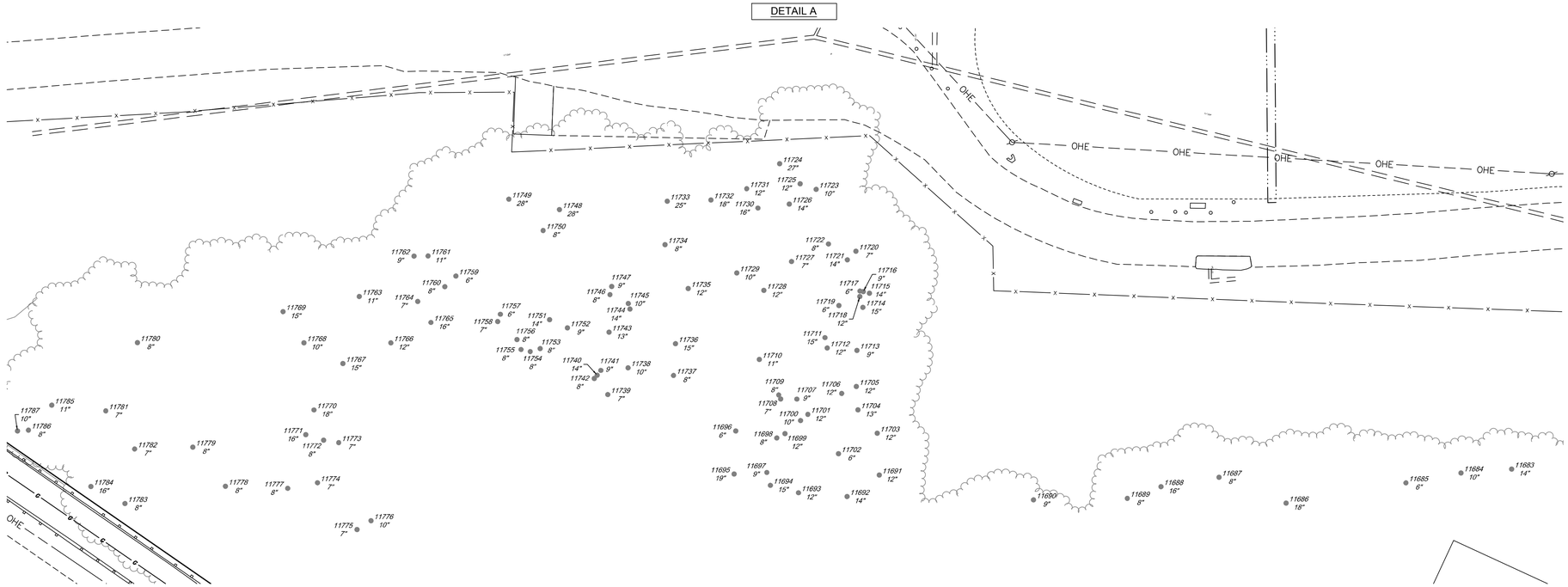
SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP

SCALE: 1"=1,000'

DETAIL A



DETAIL B

LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
OHE	Overhead Electric
11525 12"	Tree (Point Number & Size)

SCALE: 1"=20'

0 20 40 80 ft.

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1			

NO.	REVISIONS	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	

PROJ.: 03044S-01-001
DATE: 05/20/2020
DRWD: M.L.O.

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MARC L. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1
DATE

TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

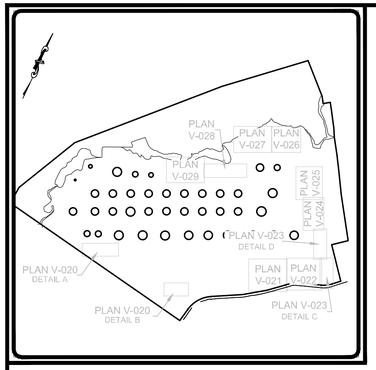
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-020

SHEET NO.
20 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP

SCALE: 1"=1,000'

N 7.5° 0'E (LONG ISLAND - NAD83)

SEE PLAN V-022

LEGEND

SYMBOL	DESCRIPTION
☼	Light Pole
Ⓢ	San Sewer Manhole
Ⓓ	Drainage Manhole
Ⓦ	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

SCALE: 1"=40'

0 40 80 160 ft.

OHE

26+00

27+0

NO.	REVISION	DATE	DSGN
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	DSGN

PROJ.: 0309448-01-001
DATE: 10/15/2020
DWG: M.T. O.
CHKD: M.T. O.

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TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DOB APPROVAL STAMP

DOB SCAN

DWG NO. V-021

SHEET NO. 21 OF 29

KEY MAP

SCALE: 1"=1,000'

N.J.S.P.C.S. (LONG ISLAND - NAD83)

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.

SEE PLAN V-021

SEE PLAN V-023 DETAIL C

OHE

28+00 29+00 30+00 31+00 32+00

SCALE: 1"=20'

0 20 40 80 ft.

LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

NO.	REVISION	DATE	DWG
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS - REVIEW COMMENTS	6/14/21	

NO.	REVISIONS	DATE	DWG
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS - REVIEW COMMENTS	6/14/21	

PROJ.: 0324465-01-001
DATE: 05/05/2020
DRWN: M.L.O.

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MARCEL O. LOMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

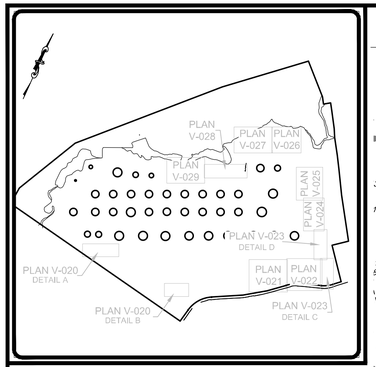
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-022

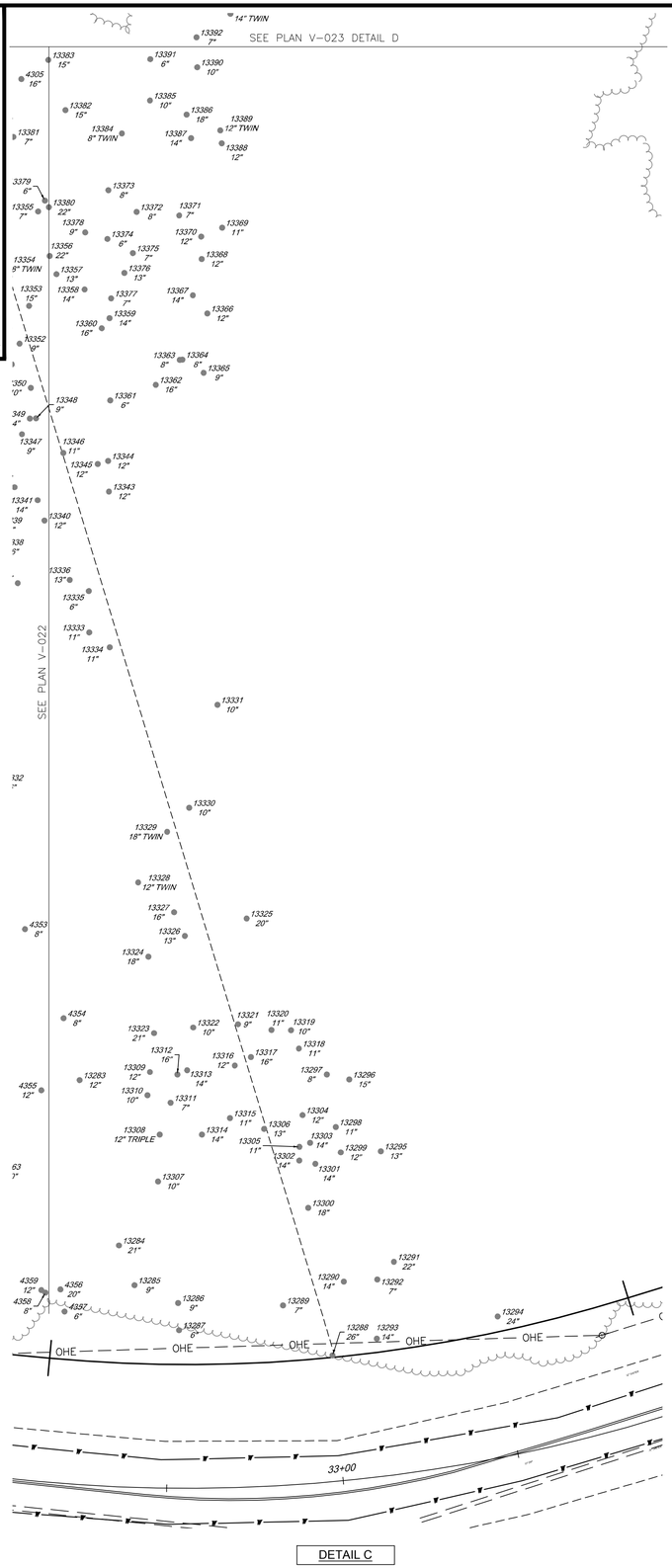
SHEET NO.
22 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.

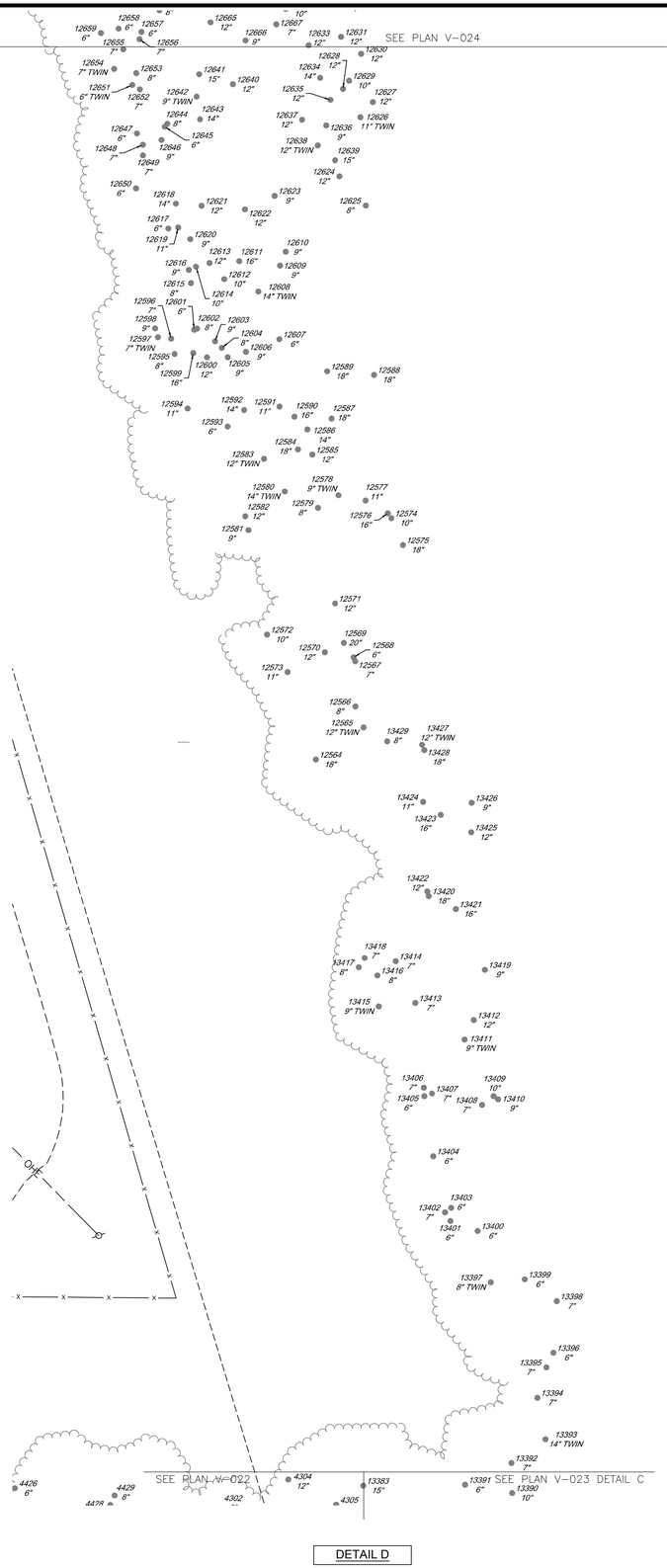


KEY MAP

SCALE: 1"=1,000'



DETAIL C



DETAIL D

SCALE: 1"=20'

0 20 40 80 ft.

LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

NO.	DATE	REVISION	DWG
6			
5			
4			
3			
2			
1		ADD WETLAND FLAGS, REVIEW COMMENTS	

NO.	DATE	REVISIONS	DWG
6			
5			
4			
3			
2			
1	6/14/21	ADD WETLAND FLAGS, REVIEW COMMENTS	

PROJ: 030445-01-001
DES: 10/30/2020
DRWD: M.L.O.

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NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1
DATE

TREE SURVEY
KINDER MORGAN TERMINAL

4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

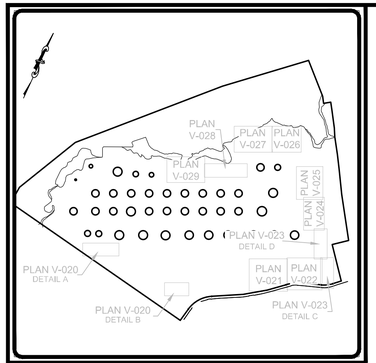
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-023

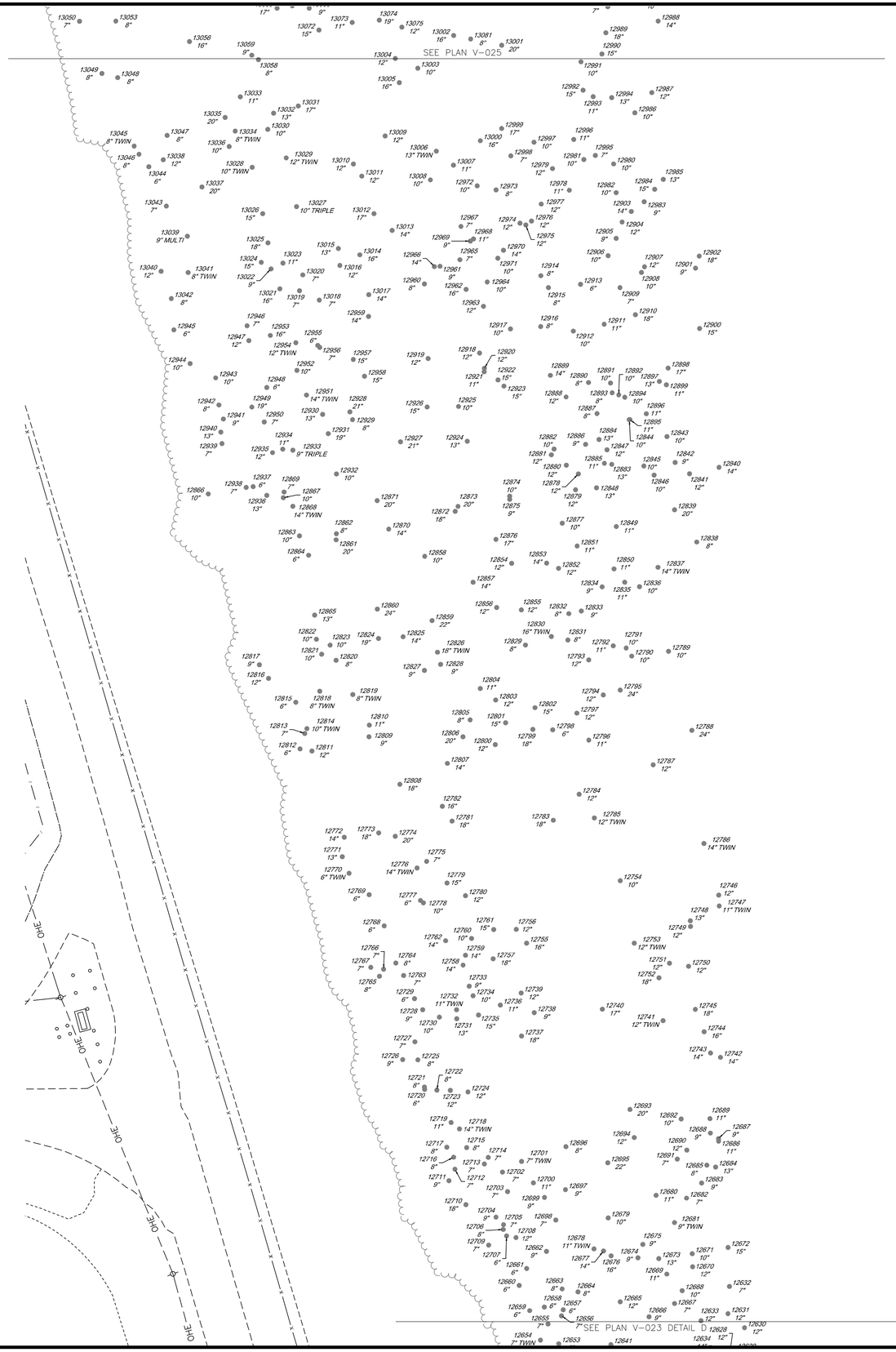
SHEET NO.
23 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP

SCALE: 1"=1,000'



LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
OE	Overhead Electric
11025 12"	Tree (Point Number & Size)

SCALE: 1"=40'

0 40 80 160 ft.

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	
2			
3			
4			
5			
6			

PROJ.: 030448-01-001
DATE: 10.02.2020
CHKD: M.C.O.

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MARC C. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050980-1
DATE

TREE SURVEY
KINDER MORGAN TERMINAL

4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

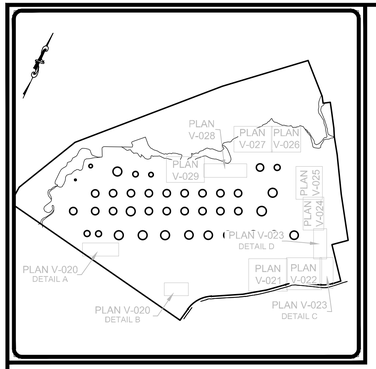
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-024

SHEET NO.
24 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP

SCALE: 1"=1,000'

SCALE: 1"=40'

0 40 80 160 ft.

LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

NO.	REVISION	DATE	DWG
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CWD

PROJ.: 030448-01-001
DATE: 10/30/2020
DRWD: M.L.O.

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MARCO L. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050959-1
DATE

TREE SURVEY
KINDER MORGAN TERMINAL

4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-025

SHEET NO.
25 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.

KEY MAP

SCALE: 1"=1,000'

LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

SCALE: 1"=20'

0 20 40 80 ft.

NO.	REVISION	DATE	CHKD
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	

REVISIONS

PROJ.: 0304454-01-001
DES.: 20210520
DRWD: M.L.O.

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MARC L. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050959-1

TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

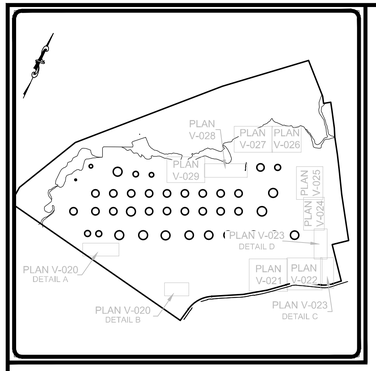
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-026

SHEET NO.
26 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

N.Y.S.P.C.S. (LONG ISLAND - NAD83)

SEE PLAN V-026

LEGEND

SYMBOL	DESCRIPTION
☼	Light Pole
Ⓢ	San Sewer Manhole
Ⓓ	Drainage Manhole
Ⓦ	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11026 12"	Tree (Point Number & Size)

SCALE: 1"=20'
0 20 40 80 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	CHKD
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	CHKD
2	RESUBMISSION		
3			
4			
5			
6			

PROJ.: 030448-01-001
DATE: 10/30/2020
CHKD: M.L.O.

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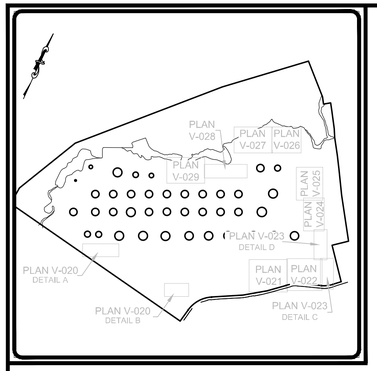
TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-027

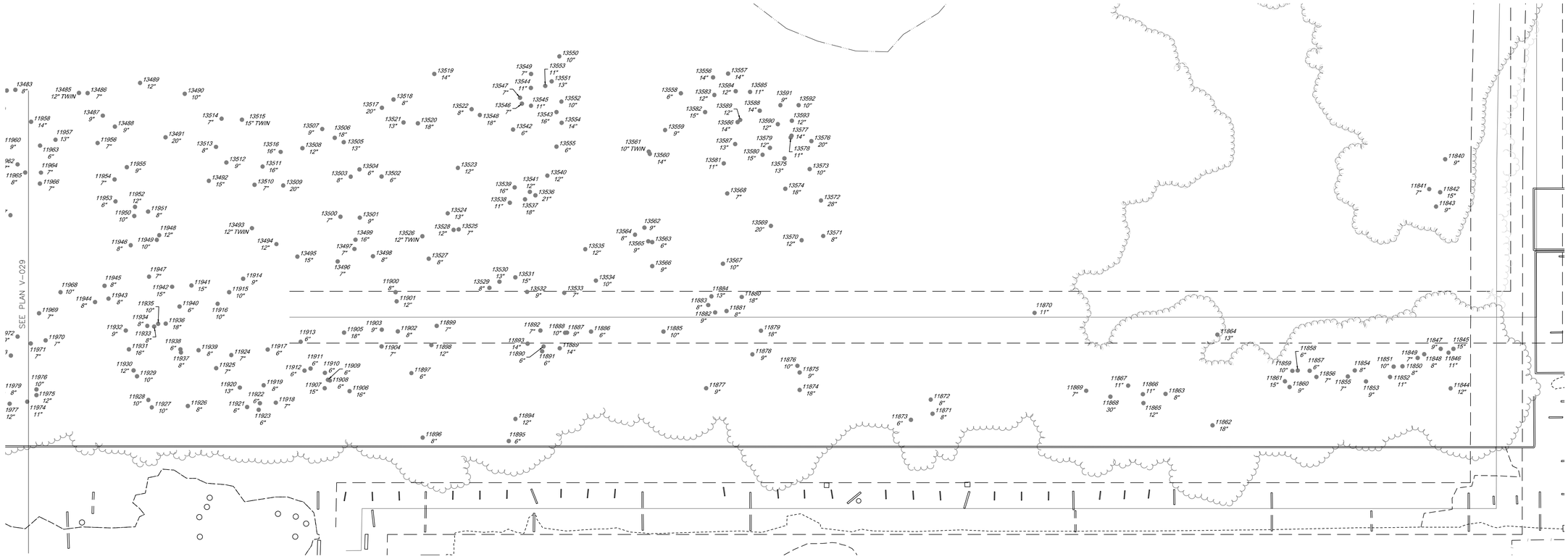
SHEET NO.
27 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP
SCALE: 1"=1,000'

N.Y.S.P.C.S. (LONG ISLAND - NAD83)



LEGEND

SYMBOL	DESCRIPTION
☼	Light Pole
Ⓢ	San Sewer Manhole
Ⓓ	Drainage Manhole
Ⓦ	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
	Overhead Electric
11025 12"	Tree (Point Number & Size)

SCALE: 1"=20'
0 20 40 80 ft.

NO.	REVISION	DATE	ORIG
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	ORIG

PROJ.: I:\30448-01-001
DATE: 10/30/2020
CREW: M.L.G.

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STATE OF NEW YORK
MARC E. OLMEDA
NEW YORK PROFESSIONAL LAND SURVEYOR LIC. #050699-1
DATE

TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247 LOT 1 AND BLOCK 7207 LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

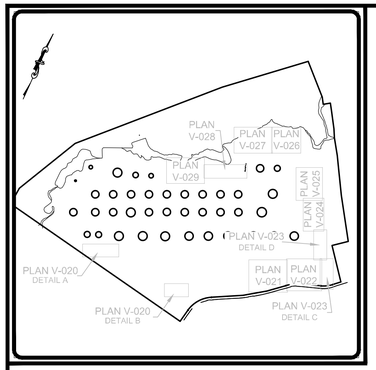
DOB APPROVAL STAMP

DOB SCAN

DWG NO.
V-028

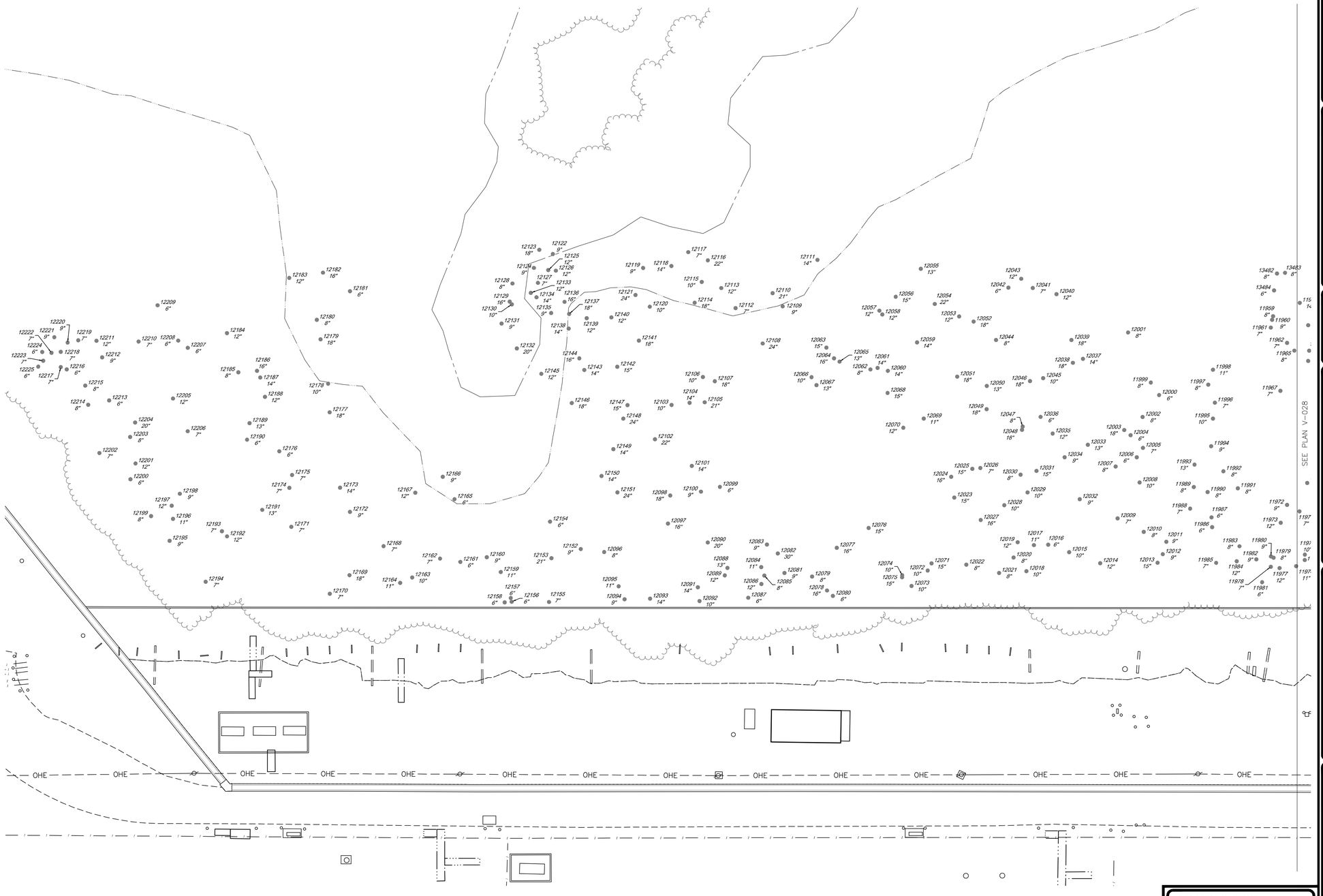
SHEET NO.
28 OF 29

SEE SHEET 1 OF 29 FOR NOTES AND REFERENCES.



KEY MAP

SCALE: 1"=1,000'



LEGEND

SYMBOL	DESCRIPTION
	Light Pole
S	San Sewer Manhole
D	Drainage Manhole
W	Well
	Signs
	Vegetation/Tree Line
	Vegetation/Bush Line
	Fence Line
	Tank
OHE	Overhead Electric
11025 12"	Tree (Point Number & Size)

SCALE: 1"=20'

0 20 40 80 ft.

DOB APPROVAL STAMP

DOB SCAN

NO.	REVISION	DATE	OHM
6			
5			
4			
3			
2			
1	ADD WETLAND FLAGS; REVIEW COMMENTS	6/14/21	OHM

PROJ.: 030448-01-001
DATE: 10/30/2020
SCALE: 1"=20'

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NEW YORK PROFESSIONAL LAND SURVEYOR LIC. 050969-1

TREE SURVEY
KINDER MORGAN TERMINAL
4101 ARTHUR KILL ROAD
BLOCK 7247, LOT 1 AND BLOCK 7207, LOT 60
BOROUGH OF STATEN ISLAND
RICHMOND COUNTY, CITY AND STATE OF NEW YORK

DWG NO.
V-029

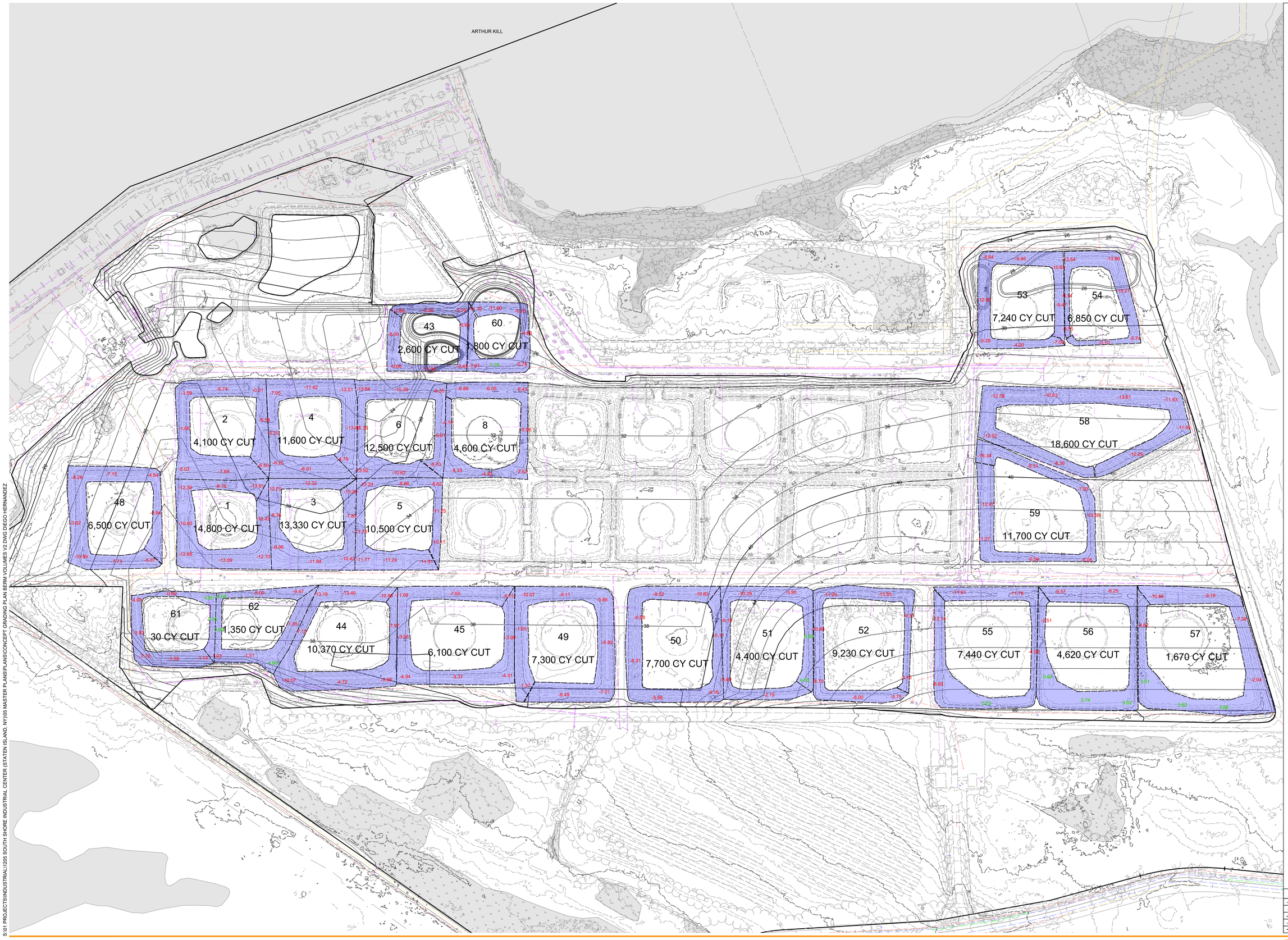
SHEET NO.
29 OF 29

ATTACHMENT D
Proposed Berm Volumes for Reuse

STATEN ISLAND MARINE TERMINAL (STATEN ISLAND, NY)

EXISTING BERMS VS PROPOSED CLOSURE SURFACE EXHIBIT

2025.06.27
SCALE 1:100'



OVERALL EARTHWORK QUANTITIES

CUT: ±380,700 CY
FILL: ±288,800 CY
NET: ±91,900 CY (CUT)

ABOVE QUANTITIES MAKE THE FOLLOWING ASSUMTIONS:
- NO SHRINK/SWELL
- NO HOLDDOWN FOR PROPOSED GRAVEL SURFACE

NOTES

1. CONTOURS SHOWN HEREON ARE BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY SITEPOINT ON 2024.12.23
2. PROPOSED CONTOURS REPRESENT THE CLOSURE SURFACE PROVIDED BY KEY ENGINEERING ON 2025.05.13
3. EXISTING CONTOURS REPRESENT EXISTING GROUND SURFACE.
4. VOLUMES QUANTITIES REPRESENTED ON THE PLAN SHEET IS THE DIFFERENCE BETWEEN THE EXISTING GRADE AND THE PROPOSED CLOSURE SURFACE.

LEGEND

100	EXISTING INDEX CONTOURS
100	EXISTING INTERMEDIATE CONTOURS
100	PROPOSED INDEX CONTOURS
100	PROPOSED INTERMEDIATE CONTOURS
	AREA OF CALCULATION

S:\01 PROJECTS\INDUSTRIAL\1205 SOUTH SHORE INDUSTRIAL CENTER (STATEN ISLAND, NY)\05 MASTER PLANS\PLANS\CONCEPT GRADING PLAN BERM VOLUMES V2.DWG DIEGO HERNANDEZ

NorthPoint DEVELOPMENT